

The **CHEMIST AND DRUGGIST**

For Retailer, Wholesaler and Manufacturer

JANUARY 30 1960

When your customers
ask for 'vitamins'.....
...recommend

BEMAX

STABILIZED WHEAT GERM

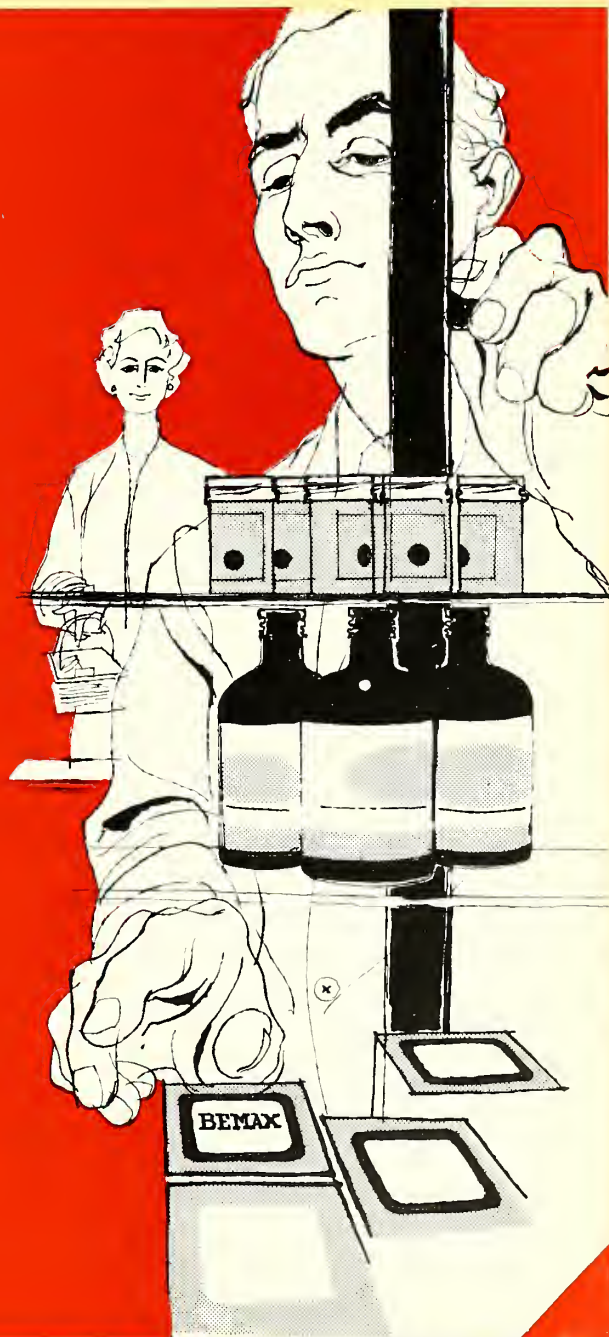
Still the richest natural protein-vitamin
-mineral supplement in the world.
Backed by consistent national advertising.

VITAMINS FROM



VITAMINS LIMITED

UPPER MALL, LONDON, W 6
Telephone: Riverside 5001



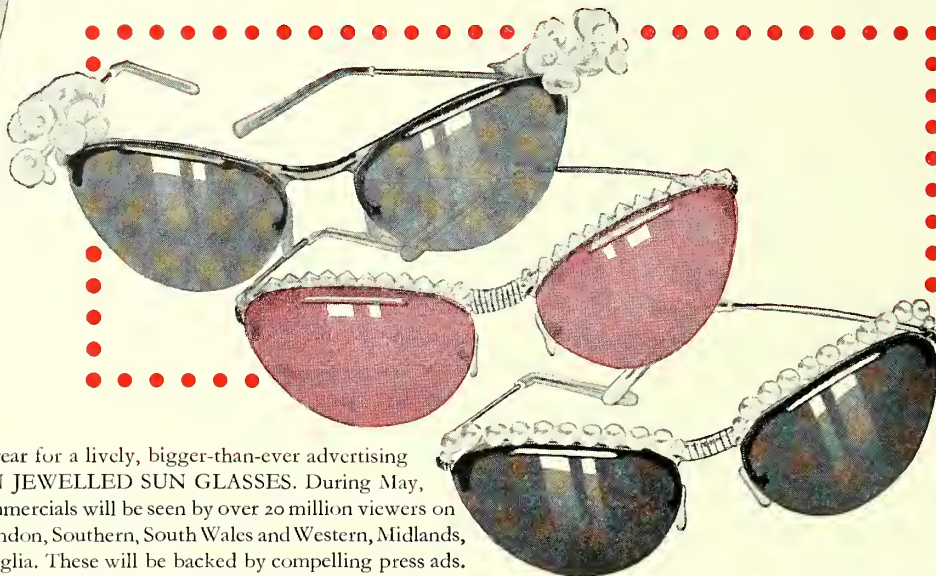


the accent is on *fashion*
for the biggest-ever

T.V. & Press campaign for

Stratton

JEWELLED *Sun* GLASSES



Fashion is the theme this year for a lively, bigger-than-ever advertising campaign for STRATTON JEWELLED SUN GLASSES. During May, June and July, Stratton commercials will be seen by over 20 million viewers on the following networks: London, Southern, South Wales and Western, Midlands, and Yorkshire and East Anglia. These will be backed by compelling press ads. in the Sunday Express, Sunday Pictorial, Sunday Dispatch, Sunday Graphic, Sunday Times, Vogue, Woman & Beauty, She, Harper's Bazaar and Vanity Fair. Check your stocks and tie-in NOW with a good display of STRATTON JEWELLED SUN GLASSES—they're the fashion for record sales this summer!

Attractive stand (as shown)
and Display Aids **FREE**

RHODOGLASS in 5 colours: Smoke, Green, Blue, Rose and Degradé



FREE plastic carrying case

- **8 styles for women**
- **2 smart styles for men**
- **2 clip-over styles**
- **Retailing at 8/6 to 17/6**

*Ask your wholesaler for
illustrated brochure TODAY!*



Made in England by **LAUGHTON & SONS LTD.**, Warstock Road, Birmingham 14
makers of the famous Stratton compacts

HOW TO MAKE TWO POUNDS INTO THREE GUINEAS . . .

HERO AEROSOLS

1 DISCOUNT **3** OFF ALL LINES

PLUS 1/- IN THE POUND

FOR ALL MIXED ORDERS OF 1 GROSS OR MORE

*
**NEW LOW PRICES
MUST MEAN
INCREASED
SALES**

**ORDER NOW FOR
DELIVERY UP TO
31st MARCH 1960**

'HERO' AIR FRESHENER
'HERO' INSECTICIDE
'HERO' MOTH PROOFER
'DRY-FRY'

Retailing
at
ONLY

4/3

'HERO' SPOT REMOVER **5/-**

'HERO' COLD RELIEF **6/6**

Incl. P.T.

'HERO' FIRE EXTINGUISHER **15/6**

Fire Extinguisher Refill 12/6

*Special Wholesale Discounts
available on application*

Sole Distributors to the Pharmaceutical Trade

FASSETT & JOHNSON LTD., 86 Clerkenwell Road, London, E.C.1

Safety *with efficiency* in antiseptics

Long and comprehensive experience has fully demonstrated the value of Dettol in general practice, obstetrics and surgery.

It is well-tolerated on the skin and tissues in high concentrations.

It is an efficient bactericide :—

Dettol will destroy the following organisms in 10 minutes at 20 degrees C. in the dilutions given:—

Staph. aureus:	.....	.....	.....	1 in 200
S. typhi:	.....	.....	.....	1 in 350
Strept. pyogenes:	.....	.....	.....	1 in 500
Bact. coli:	.....	.....	.....	1 in 250
Ps. pyocyanea:	.....	.....	.....	1 in 40
Myco. tuberculosis:	.....	.....	.....	1 in 200
Sh. shigae:	.....	.....	.....	1 in 400

Different strains can vary widely in resistance, but the figures quoted are representative.

Dettol efficiency is well maintained in the presence of organic material.

A dilution of 1 in 50 will kill Staph. aureus in the presence of 25% blood in 5 minutes.

It is compatible with soap.

"Unlike the other antiseptics, Dettol appeared to have its activity increased by the presence of soap, and against Staph. pyogenes the effect was one of true synergism." (Calman & Murray, British Medical Journal, 28th July, 1956.)

It is non-poisonous.

It does not stain linen, etc.

It is stable in solution.

Surgical Dettol, Orange, Blue or colourless — For pre-operative skin preparations.

Dettol Antiseptic Cream — For obstetrics and prevention of cross-infection.

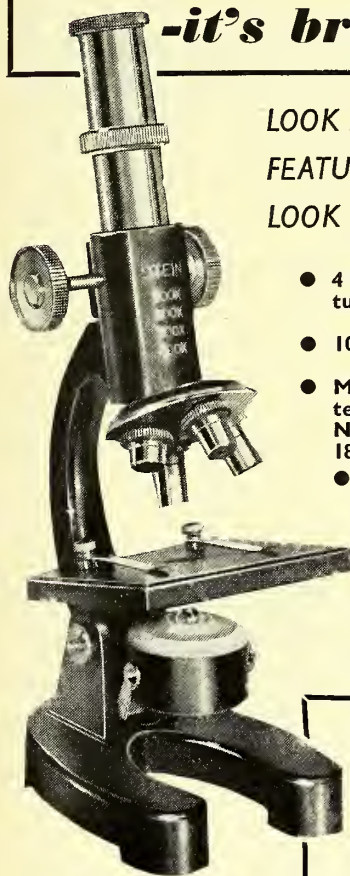
Instrument Dettol—For instrument disinfection.

DETTOL_{REGD.}

RECKITT & SONS LIMITED · PHARMACEUTICAL DEPARTMENT · HULL

**And now, the new
"STEIN"
SELF-ILLUMINATING
MICROSCOPE**

-it's brilliant!



LOOK AT THESE
FEATURES, THEN
LOOK AT THE PRICE

- 4 objectives on rotating turret
- 100x, 200x, 300x, 400x
- Magnifications guaranteed in accordance with N.P.L. report F. 1626 of 18.8.59
- Reversible automatic light and mirror assembly
- 2 U.I.2 cells in base
- Fitted wooden case and 3 slides

RETAIL PRICE
COMPLETE

£6.12.6

with batteries, bulb
and case

A new "Stein" Microscope with the features of a professionally styled instrument plus the most ingenious illuminating method ever. Turn the mirror reflector over, and the fitted bulb lights automatically to spot-light the specimen being studied. With two standard batteries within the base, fitted wooden case and 3 plain slides this sales-compelling and very efficient microscope is going to make first-class business the year round.

Please order now for early February delivery. January quota sold.

- Full trade discounts
- Enquiries from wholesale houses invited
- Leaflets and display cards available

**PURSER'S LONDON (HOLBORN)
LTD**

12, FULWOOD PLACE, LONDON, W.C.1

Telephone: HOLborn 5268

**With
PURSER'S
POSTAL SUNGLASS
SERVICE**

you get

★ 3 COMPLETELY EXCLUSIVE STYLES
BY LEADING AUSTRIAN DESIGNER

★ PICK OF THE PACKS BY BARNET,
BARTEX, JAMESON, POLAROID,
WHITECROSS

★ DEPENDABLE VOUCHER REPAIR
SERVICE

★ GENEROUS DISCOUNTS

ORDER COUPON BRINGS SAMPLES ON
APPROVAL WITHIN YOUR PRICE
REQUIREMENTS. THEN ORDER AT YOUR
CONVENIENCE FOR FIRM FORWARD DELIVERY

TO PURSER'S LONDON (HOLBORN) LTD.,
12 FULWOOD PLACE, LONDON W.C.1.

Please send 1960 sample range of sunglasses on approval, in following price ranges.

Top Quality Medium Price Popular price
(Mark off as required)

ALSO DETAILS OF MICROSCOPE Mark with X if required

**VICTOR FOX &
JOHN RAMAGE**
late of
**Clinical Products
Ltd.**, invite
enquiries for
the manufacture
and packaging
of tablets
(including
strip packaging)

- * **QUALITY**
- * **ACCURACY**
- * **PROMPT
DELIVERY**

**MEDOPHARMA
LIMITED**

158-162 Tooting High St., S.W.17
Telephone: BALham 2712

NATUR-L-MENTHOL

ESKIMO BRAND B.P., U.S.P.

made of

PEPPERMINT - OIL

Favourable prices — write for samples
REPRESENTATIVES WANTED



Konzentra HUBERT TIMM HAMBURG 39

QUEEN



Non Irritant

BEAUTY PRODUCTS

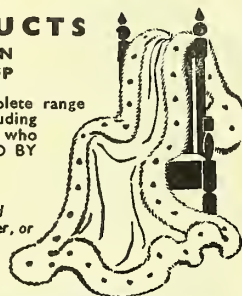
THE SAFETY FACTOR IN
EVERY DAY MAKE-UP

Queen beauty products form a complete range of toilet and beauty preparations, including lipsticks, specially for those women who have sensitive skins. RECOMMENDED BY THE MEDICAL PROFESSION.

New terms give 33½% discount.

Obtainable from Messrs. Sangers Ltd., and Allied Companies, through your Wholesaler, or direct from

BOUTALLS CHEMISTS LTD.,
60 Lambs Conduit St., London, W.C.1



BURROUGH'S

S.V.R.

**DOUBLY
RECTIFIED**

JAMES BURROUGH LTD.,
1 CALE DISTILLERY LONDON S.E.11

CHEMIST'S DICTIONARY OF MEDICAL TERMS 7th Edition

Prepared primarily for pharmacists, the Dictionary is indispensable also for pharmaceutical manufacturers, advertising agents concerned with the marketing of medicinal products and indeed all who have to find their way around among the multifarious medicinal compounds of modern times.

Order direct from:

PRICE 17/6. Postage 9d.

THE CHEMIST & DRUGGIST

28 ESSEX STREET, STRAND, LONDON, W.C.2

Traditional
**Solazzi
Liquorice**

Loosens phlegm, soothes bronchitis and asthma, prevents infection of the air passages (smog and smoke). A modern medicament in digestive disorders and gastric ulcers.

MADE FROM PURE CALABRIAN LIQUORICE ROOT
Can be obtained from all wholesalers

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(continued overleaf)

**This
is the Pack for
YOUR dispensary**



**Supplies obtainable
from your usual
Wholesaler**

**Manufactured and packed
in the Laboratories of**

Sample box gladly sent upon request from
RICHARD DANIEL & SON, LTD.

Mansfield Rd., Derby. Tel. 40671 (10 lines) and at
Grosvenor St., Ashton-u-Lyne. Tel. 5161 (9 lines)

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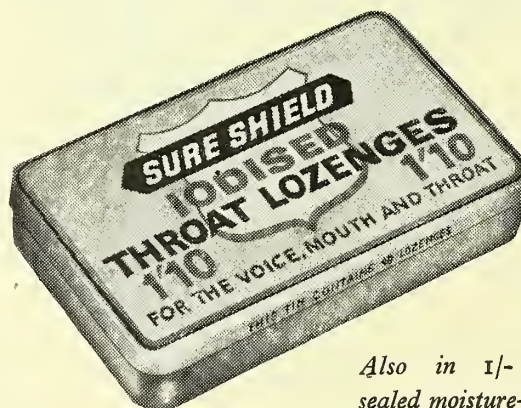
The time to order and display is now!

**GENEROUS BONUS TERMS
ON ASSORTED ORDERS OF
1 GROSS OR MORE**

WINNERS OF THE JANUARY DRAW

1. £25 Premium Bonds
J. F. Ambery, Bristol
2. £10 Premium Bonds
G. Cummings & Co., Dundee
3. £5 Premium Bonds
W. Gourlay Ltd., Workington

A further draw will be made in February. Ask our representative or write direct for show material and the chance to win "Premium Bond" prizes.



*Also in 1/- heat
sealed moisture-proof
cartons*

THOS. GUEST & CO LTD

**Manufacturing Chemists
CARRUTHERS STREET
MANCHESTER**

NEW Products
NEW Terms

BONUS OFFER

Lowest Prices
Biggest Profits

Don't miss our Representative
when he calls

MOTHAKS

THOMPSON & CAPPER LTD., LIVERPOOL 24

your baby



Bright eyes open from a golden sleep... open to a world of loving care, of wonder and discovery. What will the new day bring? New delights, of course. And, just as certainly, new health and strength: the health and strength in which Glaxo play so important a part. Glaxo make so many products used by doctors and nurses the world over to keep children healthy, happy and strong.

OSTER your baby's first milk
 milk specially selected for
 milk also has extra iron to
 ... extra vitamin D
 teeth. Ostermilk costs
 than dairy milk
 cereal food for fast-
 applies those things a
 healthy growth.
 protein, vitamins,
 it needs no cooking,

no trouble, whatsoever. Serve a generous helping of Farex once a day, and you need not worry about balancing the diet. And you get 10 ozs. from your chemist for 1/4d.

Just published is the Glaxo Mother and Baby book — Glaxo's latest contribution towards healthier, happier babies. Actually, it is two books in one. First, there's 'A Young Mother's Story', a very human and often amusing account of the joys and trials of child bearing and rearing by a young mother who is also a journalist. Following that is a completely new mothers' reference book—a treasury of knowledge and practical advice. Written by an expert in mothercraft (who is also a mother herself) and supervised by a children's doctor, it combines the best of the traditional practices in mothercraft with the most up-to-date methods of today. Ask your chemist for the new Glaxo Mother and Baby book. It costs only 9d.

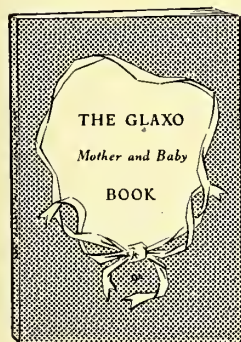
Ostermilk and Farex

are backed by
 all the experience of
 Glaxo Laboratories



OSTERMILK**FAREX** AND THE**EXPRESS****IN 1960**

The first Glaxo half-page advertisement of 1960 will appear on February 1st in the "Daily Express"...setting the pace for a continuation of last year's big-space Ostermilk and Farex advertising in the leading National Dailies and Women's Magazines.



The new Glaxo Mother and Baby Book will be prominently featured...and will in fact be mentioned in *all* Glaxo press advertising throughout the year. If you have not yet placed your order, there's still time.

**EACH OSTERMILK
AND FAREX**

ADVERTISEMENT WILL BE SEEN BY OVER 12 MILLION

READERS OF THE DAILY EXPRESS

NEW Silvikrin WITH NEW



NEW

LARGE, EASY-TO-OPEN SACHET

NEW

'SEE-THROUGH' TRANSPARENT TUBE

NEW

COLOURFUL POINT-OF-SALE
MATERIAL

NEW!

CREAM SHAMPOO

'LIQUID-FLOW' FORMULA

— the smoothest
cream shampoo ever!



NEW
Silvikrin
CREAM SHAMPOO

For lovely, healthy hair!

CONTAINS PURE SILVIKRIN

**Show New Silvikrin Cream Shampoo
on your counter and cash in on one
of the heaviest-ever advertising
campaigns for any shampoo!**

SACHET

Wholesale Price
per dozen **5/6** *
Retail **9d.** each

TUBE

Wholesale Price
per dozen **21/6** *
Retail **2/11** each

* Plus Purchase Tax



NEW SHAPE FITS ALL HEAD SIZES

This entirely new universal shape fits all head sizes. It takes the place of the former small/medium, and medium/large sizes and enables a greater variety of colours and styles to be held without increasing stocks. All Submarine swimming caps are now made in this new shape.

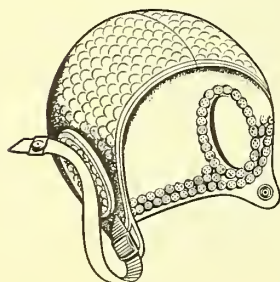
The new universal size demands:

- (a) A high quality cap that will stretch easily.
- (b) A cap that is the natural shape of the head *and* the neck i.e. it is moulded with a high front and a deep back. When the cap is worn on a large head the back will be in a normal position, but with a smaller head the back will be lower down the neck, where it will still fit snugly and comfortably.

Submarine REGD.
SWIMMING CAPS

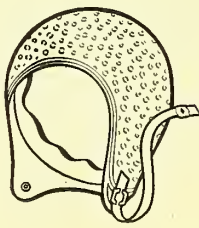
Although rubber prices have advanced substantially, last year's prices are maintained

2/6 — 6/6



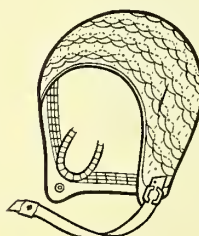
TRIDENT

This watertight swimming cap has internal suction cups which hold the cap snugly and comfortably to the head, and earpieces to protect the ears from pressure. The most comfortable swimming cap in the world. Packed in an attractive film window display carton. 12 to a display outer. 6/6 Retail.



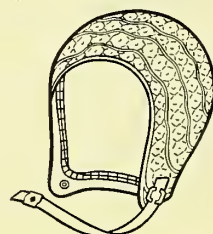
SEAL

The inner flange forms an air pocket, keeping the hair completely dry. Because of the internal construction this cap is still made in the small/medium and medium/large sizes. Sleeve packed for easy handling and display. 12 to a display box. 4/9 Retail



PENGUIN

This popular swimming cap is obtainable either with or without strap. Each cap is in a polythene bag. 12 to a display carton. 3/6 Retail



STANDARD

Fitted with water-excluding ridges. Packed in boxes of 12. 2/11 Retail.

CLIPPER 2 (Strapless)

Fitted with water-excluding ridges. Packed in boxes of 12. Universal and Large Sizes only. 2/6 Retail.

Sizes: In addition to the **UNIVERSAL SIZE** there is a **LARGE SIZE** which caters for wearers who have extra large heads or very abundant hair, and a **Junior size** for children, throughout the range. Every cap fully guaranteed.

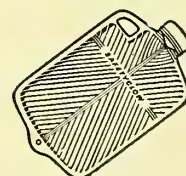
W. W. HAFFENDEN LTD.

RICHBOROUGH RUBBER WORKS
SANDWICH · KENT

Telephone : Sandwich 3381

SUBMARINE HOT WATER BOTTLES

A complete range at competitive prices with metal or rubber stoppers. Every bottle fully guaranteed.





Stafford Allen & Sons

MANUFACTURERS FOR 125 YEARS

SPECIALISTS IN

GALENICALS

Liquid Extracts, Syrups, Emulsions, etc.

ESSENTIAL OILS

English distilled and imported

FLAVOURS

Food, Confectionery, Soft drinks

SPICES

Milled and Saramex standardised

PERFUMERY COMPOUNDS

Toilet preparations and industrial

INSECTICIDES

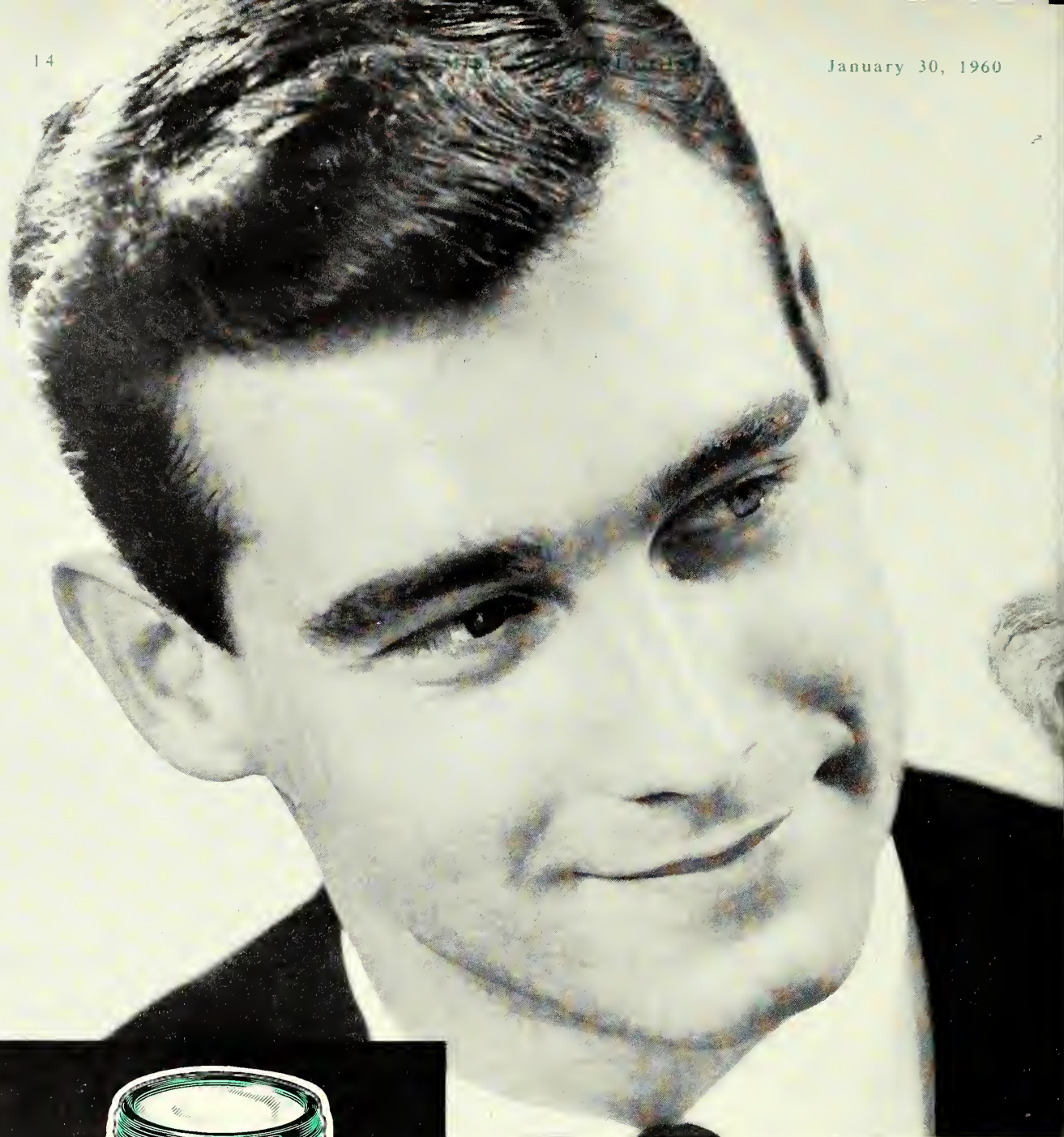
Pyrethrum and Derris extracts

**FOR THE PHARMACEUTICAL, FOOD, DRINK, CHEMICAL
AND PERFUMERY INDUSTRIES**

STAFFORD ALLEN & SONS LTD., WHARF ROAD, LONDON, N.1

Telephone: CLerkenwell 1000. Telegrams: Stafalens, Nordo, London.

Factories at: Long Melford, Suffolk and Wharf Road, London, N.1, and farms at Long Melford.



HAIR CREAM

THIS WINTER, WATCHING AND
LISTENING MILLIONS WILL SEE
FOUR LOXENE T.V. SPOTS EVERY
WEEK ON ALL STATIONS.

LOX

F. W. HAMPSHIRE & CO. LTD · SUNNYDALE · DERBY



More millions will read the Loxene advertisements in all leading national newspapers week after week. Keep Loxene where your customers can see it. And profit from Loxene's biggest ever advertising drive in 1960.

LOXENE

URGENT ORDERS: PHONE DERBY 22202/4 (3 lines)



SHAMPOO

FIGGERROLLS

will help to increase your sales of
STARCH-REDUCED ROLLS



**A NEW FLAVOUR FOR
DIABETICS AND SLIMMERS**

Diabetics and slimmers alike will welcome the appetising whole-wheat flavour of starch-reduced Figgerrolls. Crisp and delicious, they make a refreshing break in the monotony of an ordinary low-starch diet. Figgerrolls are made with nutritionally valuable fresh wheat gluten, and they are enriched with specially processed wheat germ and the most nutritious parts of the bran. In the manufacture of Figgerrolls every care is taken to ensure that each roll contains the stated amount of protein.

**WHITWORTH'S
STARCH-REDUCED**

FIGGERROLLS

TRADE TERMS

12 x 30 roll packs 24/- per case
24 x 10 roll packs 23/- per case
Order from your usual wholesaler

WHITWORTH'S HOLDINGS LIMITED
WELLINGBOROUGH
NORTHANTS

ANALYSIS

for diabetic or medical purposes

	Gm./oz.
Protein (N X 5.7)	11.5
Carbohydrates	11.7
Fat	1.4
Salt	0.6

Calories 107 per oz.

Four Figgerrolls
weigh approx. 1 oz.





A single bay of our new tablet coating extension

The supply of "continuous precision" **Tablets in BULK**

forms part of our unique service which offers great advantages to wholesale and retail pharmacists, and proprietary brand houses.

Not only are there facilities here at our Brighton plant for manufacturing and coating tablets on a massive scale, but the latest methods of packaging tablets in bulk also form part of this service. Our daily, post paid, breakage free delivery is an example.

Whatever your tablet problems may be—consult us first. It is more than likely that our technicians will be able to help you considerably.



The Foremost Tablet House

ARTHUR H. COX & CO. LTD.
BRIGHTON • ENGLAND

More than ever it will pay you to



1959 was a record year for COOPER'S—SALES MORE THAN DOUBLED
THE COOPER RANGE IS 3 WAYS BETTER STILL FOR 1960

1

Bigger range

With the addition of their new DRY CLEANER Cooper's now offer the most complete range of household push-button products ever.

2

Heavier advertising

In 1959, Cooper's easily outspent all competitors on T.V. In 1960, they're spending even more!

Extra big Press campaigns will run in DAILY EXPRESS • DAILY MIRROR • SUNDAY EXPRESS • RADIO TIMES • WOMAN • IDEAL HOME • HOMES & GARDENS • DO IT YOURSELF • PRACTICAL HOUSEHOLDER, etc. etc.

3

Lower prices

Large sizes now reduced to 8/6. New Large Size Garden Spray 8/6
 Popular sizes still only 4/6

Stock & display the COOPER range



and
you can get
up to

7½%

EXTRA BONUS

On orders of 12 dozen and over
7½%

On orders of 4-11 dozen **5%**

This special discount applies to orders placed before 30th April, and is *additional* to the normal Trade and Cash discounts.

The offer covers assorted dozens of these famous Cooper aerosols :

FLY KILLER • FRESH-AIRE • MOTH PROOFER

ANT KILLER • WOODWORM KILLER • GARDEN SPRAY • DRY CLEANER

(Manufactured by Cooper McDougall & Robertson, Berkhamsted, Herts.)

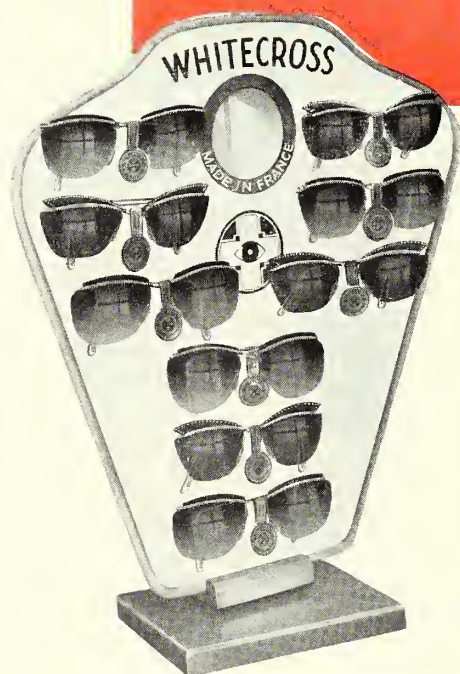
COOPER

research brings you a wider range of better products with heavier support for bigger profits.

FOR GLAMOUR WITHOUT GLARE . . .

choose "Whitecross" for 1960

A COMPLETE AND EXCITING RANGE OF CONTINENTAL SUNGLASSES
INCLUDING LIGHTWEIGHTS RETAILING FROM 2/6 EACH



Ask your usual wholesaler for our illustrated catalogue

THE WHITECROSS "CAROUSEL"

An attractive revolving display stand supplied FREE with 24 sunglasses as follows:—

- | | |
|--|-----------------|
| | Price to Public |
| ● 6 Pieces COLETTE, smoke, beautifully decorated top | 7/6 each |
| ● 6 Pieces COLETTE, turquoise, beautifully decorated top | 7/6 each |
| ● 6 Pieces CARAVELLE, large, graduated, shell top | 7/6 each |
| ● 6 Pieces CARAVELLE, small, graduated, shell top | 7/6 each |

These glasses are also supplied separately

SEE US AT BLACKPOOL
METROPOLE, STAND NO. 15



REG TRADE MARK

Whitecross Optical Company

(Proprietors, Fredk. Lehmann Co Ltd.)
Frederick Works, Rochester Place, London N.W.1
Telephone. GULLiver 6731

Planned parenthood needs wise advice

The responsibility for family planning shared by young married people can be helped by timely advice concerning reliable contraception methods.

Gynomin and Antemin, both of which are physiologically sound and aesthetically agreeable, provide alternative means of contraception and may be confidently recommended.

GYNOMIN

Prophylactic Tablets

Tubes of 12 tablets.

(Retail 3/6) 31/6 doz.

Quantity discounts

3 doz. 5% — 6 doz. 7½%
12 doz. 12½%

ANTEMIN

Contraceptive Cream

Tubes of 55 G.

(Retail 3/-) 2/-

The Family Planning Association advise that for maximum safety, any chemical contraceptive should be used with a mechanical barrier.

Supplies of "Planned Parenthood" booklets and display material are available on request.



COATES & COOPER LTD.

PYRAMID WORKS, WEST DRAYTON, MDDX.



Extensive National Advertising

in the Press
and Women's
Magazines

plus

T.V.

will create
GREATER sales
for you

**Order NOW to ensure
ample supplies of*
MODERN
ANTI-COLIC TEATS



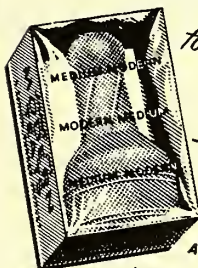
—thanks to 'MODERN' efficient feeding!
Triple Perforation and Spiral Reinforcement
give an even, air-free flow.
The high quality, moulded rubber withstands
repeated boiling and guarantees long life.
Fewer 'MODERN' Teats are needed from birth
to weaning, reducing 'breaking in' troubles.
A special lip is provided for easy, hygienic removal and
three Flow Sizes - Small, Medium and Large - ensure the
correct feeding rate. YOUR Baby Deserves the Best—

BUY

**MODERN ANTI-COLIC
TEATS**

for nearest to natural feeding

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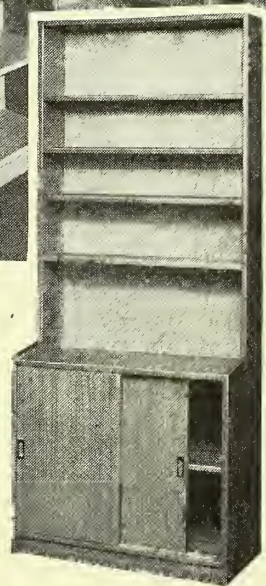
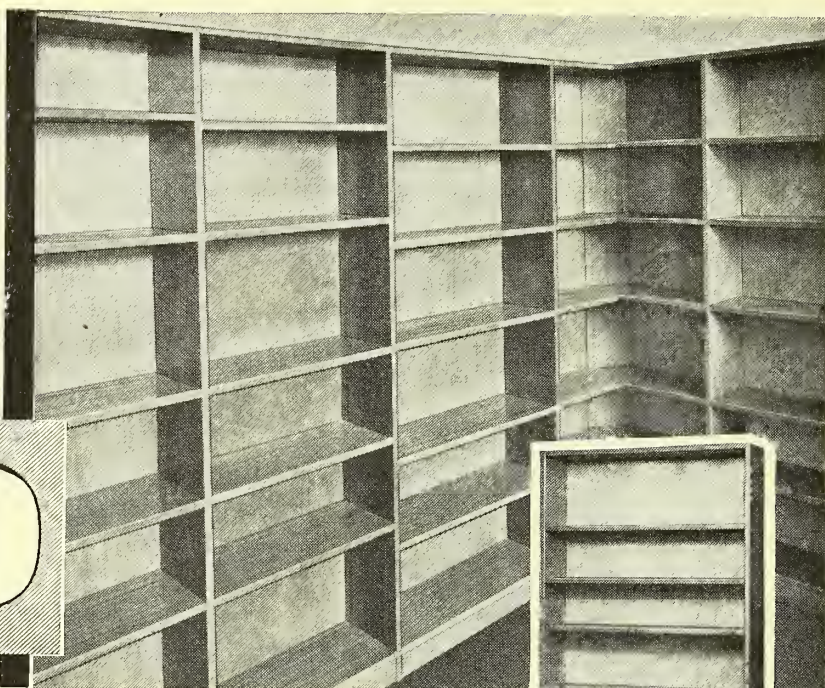
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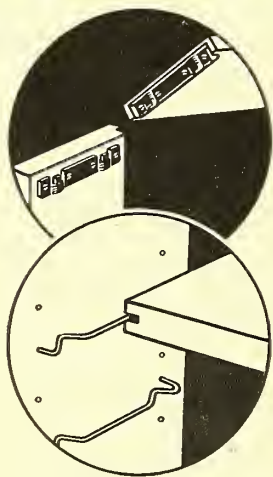
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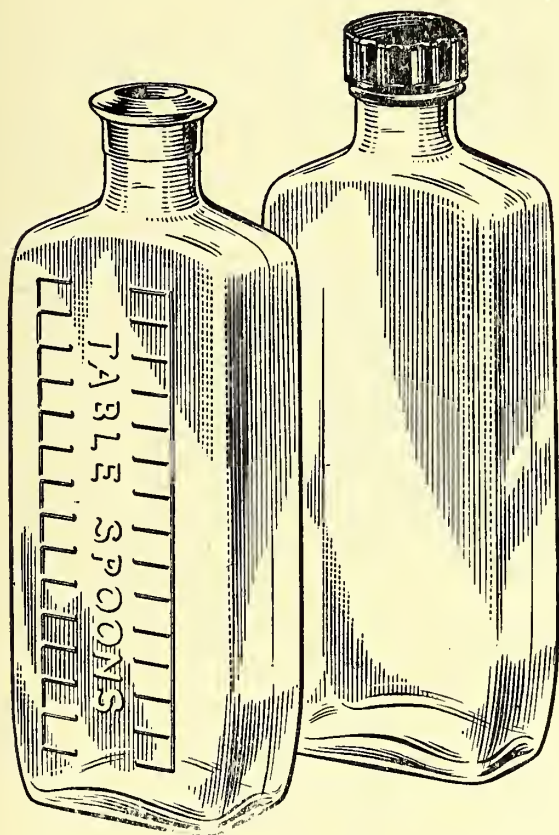


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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 173

January 30, 1960

No. 4172

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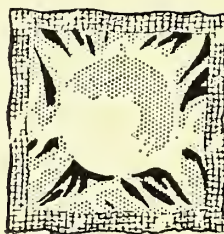
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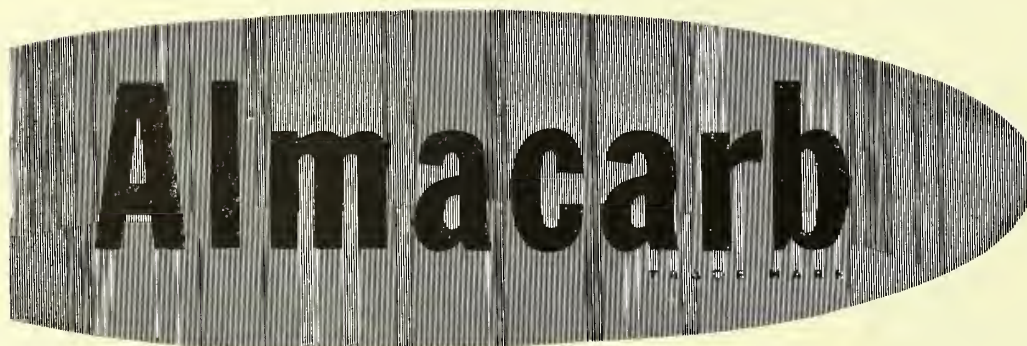
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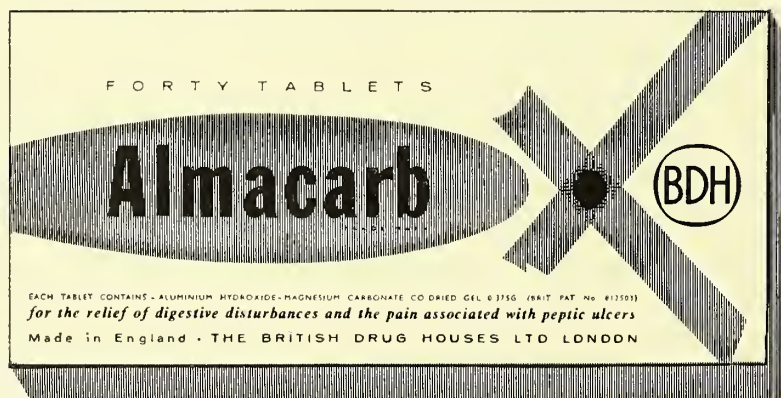


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Carton of 40	3/-	5/3
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THE BRITISH DRUG HOUSES LTD. LONDON N.1

The CHEMIST AND DRUGGIST

Volume 173

JANUARY 30, 1960

No. 4172

Drug Exports a Record MORE THAN £40 MILLIONS IN 1959

EXPORTS of British drugs and medicines reached a record figure of over £40 millions in 1959, an increase of £2.4 millions over 1958. Well over one-quarter of the pharmaceutical industry's production is now being exported.

Figures published by the Board of Trade show that Australia (£3.97 millions), Nigeria (£2.64 millions), the Irish Republic (£1.97 million) and New Zealand (£1.87 million) were the leading importers. Canada (£1.26 million) and the United States (£1.15 million) also show increased figures for last year. The largest specified group was antibiotics (£7.9 millions); followed by vitamins (£2.7 millions). Exports of alkaloids, aspirin and sulphonamides each exceeded £1 million. (See also p. 118.)

Franco-British Congress

ARRANGEMENTS FOR 1960

THE Commission have announced that the Franco-British Congress will be held on the Côte d'Azur, at the Hotel Negresco, Nice, from May 6-9. Normally the cost of such a journey would mean a prohibitive charge for a weekend congress, but the generosity of the French members together with special arrangements for group travel have made it possible to offer participation in the Congress as well as travel for £25 per person. This will include all meals and accommodation from Friday night to Monday morning; travel by coach from London to Manton airport; Hermes charter plane to Nice airport, coach to the Hotel Negresco, airport taxes and a meal on the flight; and return by the same means. Departure from London is expected to be at about 8.30 a.m. on May 6. Some reservations for the Congress only may be accepted from members who wish to travel independently. In both cases numbers will be limited and applications will be dealt with in order of their receipt. Provisional reservations should be made at once by writing to the secretary, Franco-British Pharmaceutical Commission, 17 Bloomsbury Square, London, W.C.1.

A New Qualification

CHEMISTRY RESEARCH DIPLOMA

THE Royal Institute of Chemistry have established a research diploma for work in pure or applied chemistry to be awarded to graduate members, associates or fellows of the Institute under conditions similar to those for the Ph.D. degree of a university. The Insti-

tute comment that it is expected that the prospect of obtaining the research diploma will be particularly attractive to those who are unable to satisfy the requirements for taking a higher degree of a university but who may be able to undertake research under an approved supervisor in a technical college, an industrial firm, a Government department or a research association. The scheme applies equally to university graduates and those who qualified at technical colleges. In order that a member carrying out research of a confidential nature in the course of his employment (in industry or Government service) shall not be precluded from submitting the results of that work, provision is made for the Institute's council to consider a request that a thesis embodying such work shall be treated as confidential and seen only by the examiners. Otherwise a copy of the thesis of each successful candidate is to be freely available for consultation in the Institute. A diploma certificate is to be

issued to each successful candidate. Further particulars may be obtained from the assistant registrar of the Royal Institute of Chemistry, 30 Russell Square, London, W.C.1.

Research Virus Escape

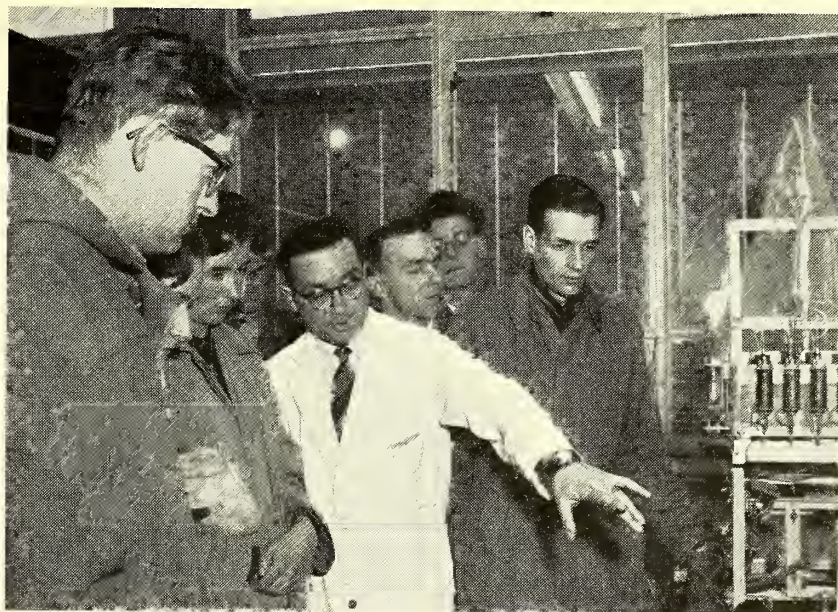
CAUSE OF DISEASE OUTBREAK?

INVESTIGATION of an outbreak of foot-and-mouth disease at Worplesdon, Surrey, showed that the causative virus was an African type (S.A.T.2) virus which, it is concluded, came from the Animal Virus Disease Research Institute at Pirbright, a few miles away. A report is being made to the Ministry of Agriculture by the Institute's director and by the regional veterinary officer. Safety precautions, designed to prevent the accidental transmission of infection from the use of the African virus have been recognised as stringent. Spread of the African virus into Europe would have serious repercussions, involving the development and use of a polyvalent vaccine.

Anglo-Hungarian Trade

THREE-YEAR ARRANGEMENT AGREED

NEGOTIATIONS in London between representatives of the United Kingdom Government and the Government of Hungary have resulted in the signing of a new trade arrangement which provides a basis for trade during the three-



STUDENTS SEE RESEARCH WORK: A party of pharmacy students from Bristol College of Technology visited Parke, Davis & Co., Ltd., Hounslow, Middlesex, recently. They are seen here during their tour of the pharmacological research department.

year period beginning January 27, 1960. Import quotas on both sides are to be negotiated annually. Import quotas for the twelve months from January 27 have also been agreed allowing for Hungarian imports of United Kingdom goods amounting to nearly £5½ millions and including chemicals, etc. During the same period the United Kingdom Government will issue licences for the import of Hungarian goods to a value of about £4½ millions and including pharmaceuticals.

Approved Names

A SUPPLEMENTARY LIST

THE following supplementary list of approved names has been issued by the British Pharmacopœia Commission:—

APPROVED NAME	OTHER NAMES
Bamethan	2- <i>n</i> -Butylamino-1- <i>p</i> -hydroxyphenylethanol Vasculit is the sulphate
Bendroflumazide	3-Benzyl-3:4-dihydro-7-sulphamoyl-6-trifluoromethylbenzo-1:2:4-thiadiazine 1:1-dioxide Aprinox
Carbolonium bromide	Hexamethylenebis(carbamoylcholine bromide) Imbretil
Carisoprodol	2-Carbamoyloxymethyl-2- <i>N</i> -isopropylcarbamoyloxy-pentane
Cetylpyridinium chloride	1-Hexadecylpyridinium chloride Ceepryn
Cyclandelate	3:3:5-Trimethylcyclohexyl mandelate Cyclospasmol
Cyclophosphamide	2-[Di-(2-chloroethyl)amino]-1-oxa-3-aza-2-phosphacyclohexane 2-oxide Endoxan; Cytoxan
Dextropropoxyphene (replaces Propoxyphene)	α-(+)-4-Dimethylamino-1:2-diphenyl-3-methyl-2-propionyloxybutane Darvon is the hydrochloride; Doloxene is the hydrochloride
Dimethoxanate	2-(2-Dimethylaminoethoxy)ethyl phenothiazine-10-carboxylate
Diphenadione	2-Diphenylacetylindane-1:3-dione Didandin; Dipaxin; Oragulant
Diphenoxylate	Ethyl 1-(3-cyano-3:3-diphenylpropyl)-4-phenylpiperidine-4-carboxylate
Disulphamide	5-Chloro-2:4-disulphamoyltoluene Disamide
Heptabarbitalone	5-Ethyl-5-cyclohept-1'-enylbarbituric acid Medomin
Nialamide	<i>N</i> -(2-Benzylcarbamoyl-ethyl)- <i>N'</i> -isonicotinoylhydrazine Niamid
Phenazocine	2'-Hydroxy-5:9-dimethyl-2-phenethyl-6:7-benzomorphan
Phenprocoumon	4-Hydroxy-3-(1-phenylpropyl)coumarin Marcoumar
Salazosulphadimidine	4'-(4:6-Dimethylpyrimid-2-ylsulphamoyl)-4-hydroxyazobenzene-3-carboxylic acid

Sulphaphenazole

Tetrahydrozoline

Trimustine

Azudimidine

5-*p*-Aminobenzenesulphonamido-1-phenylpyrazole

Orisulf

2-(1:2:3:4-Tetrahydro-1-naphthyl)imidazoline
Tyzanol is the hydrochloride

Tri-(2-chloroethyl)amine
Trillekamin

Communications relating to approved names should be addressed to the secretary, British Pharmacopœia Commission, General Medical Council Office, 44 Hallam Street, London, W.1.

Exhibition for Moscow

DRIVE TO SELL BRITISH INSTRUMENTS

AS a result of a report to the Council by a three-man delegation of the Scientific Instrument Manufacturers' Association of Great Britain, SIMA House, Queen Anne Street, London, W.1, which went to Moscow at the beginning of November 1959, and the support from thirty members of S.I.M.A., an exhibition of British scientific instruments is to be held in Moscow, June 16-26. The exhibition is the first to be put on in Russia by a British organisation of manufacturers in a specialised field.

Priced Prescriptions

FACILITIES FOR DISPENSING DOCTORS

DISPENSING doctors under the National Health Service may now examine their priced prescriptions if they wish to do so. They will thus have the same facilities in this matter as are extended to chemists. The decision by the Minister of Health, in consultation with the Joint Pricing Committee for England follows representations by the British Medical Association.

IRISH NEWS

THE REPUBLIC

A New Organisation?

MEETING OF INTERESTED GROUPS

A PROPOSAL unanimously adopted at the symposium of the recent Irish Pharmacy Week (C. & D., November 7, 1959, p. 406) that an effort should be made to bring together representatives of every section of pharmacy with a view to investigating the possibilities of establishing a pharmaceutical association that would ensure greater co-ordination between the various branches of the profession is about to be put into effect. At 8 p.m. on February 10, a meeting is to be held at the College of Pharmacy, Dublin, to which representatives of the following have been invited: the Irish Drug Association, the Irish Hospital Pharmacists' Association, the Irish Pharmaceutical and Medical Representatives' Association, the Pharmaceutical Branch of the Local Government Officials' Union, Army pharmacists, the Irish Pharmaceutical Students' Association, and the chemists' branches of the Irish Union of Distributive Workers and Clerks and the Workers' Union of Ireland. The new body, if established, is to seek

also to improve existing relations between pharmacy and kindred professions. At the symposium it was stressed that there was need for such an organisation to ensure a greater degree of co-ordination among pharmacists in the various branches of the profession.

New Chemical Factory?

TENTATIVE PROPOSALS FOR PROJECT

IT is understood that the Irish Government and a number of industrial promotion bodies are in communication with leading chemical interests in the United States and Britain with a view to the establishment of a chemical factory on the 700-acre industrial refinery at Whitegate oil refinery, co. Cork. Should the project come to fruition it would be the first of its kind in the Republic and would mean the harnessing of potentially valuable by-products from the refinery. Dr. R. Lawton (general manager, Irish Refining Co.) has confirmed that efforts have been made to establish such a factory at the refinery, but added that he did not know what progress had been made. Because there is no outlet for them at present, by-products from the Whitegate refinery are not being processed and the refining company it is understood, will not engage in processing until a chemical factory has been established.

Duty on Tablets

A MOTION TABLED

SENATOR Edward A. McGuire has tabled a motion for consideration when the Senate resumes in February, which reads "That Seanad Éireann, believing that the imposition of the present duty on pharmaceutical supplies is in conflict with the declared new tariff policy of the Government in view of the European trade situation, and that higher prices for imported essential pharmaceutical supplies will result, requests the Minister for Industry and Commerce to make a statement on the imposition of this duty."

Examination Results

ASSISTANTS AND DRUGGISTS

THE following candidates were successful in the January Pharmaceutical Assistants' examination, held by the Pharmaceutical Society of Ireland: Messrs. J. F. Dillon, A. Kennedy, D. O'Sullivan and P. O'Sullivan. The following candidates were successful in the January Registered Druggists' examination: Mrs. Charlotte O'Neill, Messrs. D. J. Grant and P. O'Sullivan.

Public Pharmacists

ASSOCIATION WANTS MORE MEMBERS

AN appeal for more members was made by Mr. R. J. Power (chairman) at a well-attended general meeting of the Association of Hospital and Public Pharmacists, in Tullamore, recently. Mr. Power said that it was the aim of the Association to cater not only for the needs of hospital and public pharmacists, but also those engaged in dispensary work. Those wishing to join were asked to apply for details to Mr. Power, Newtownmountkenedy, co.

Wicklow, or to Miss Joan Burke, secretary of the Association, c/o Pharmacy, Our Lady's Hospital for Sick Children, Crumlin, Dublin. The meeting discussed ways and means of improving the conditions of hospital pharmacists and delegates were informed of proposed action to be taken to give effect to the proposals.

IRISH BREVITIES

THE NORTH

THREE films were shown at a president's "at home" in the house of the Pharmaceutical Society of Northern Ireland, Belfast, on January 18.

TICKETS are limited for the dinner dance of the Associates' section, Ulster Chemists' Association, to be held at Thompson's restaurant, Belfast, on February 11, and early application to the U.C.A. office, 4 Waring Street, Belfast, is advised. Price is 25s. each.

THE REPUBLIC

THE annual dinner of the Wholesale Drug Federation of Ireland is to be held at Jury's hotel, Dublin, on February 17.

MEMBERS of the Irish Pharmaceutical Students' Association were guests of the Society of Pharmaceutical Students, Belfast, at the annual pharmacy ball, held in Belfast on January 15.

"THE Electron Microscope in Biology" is the title of a lecture to be delivered by Professor J. Bronte Gatenby (Trinity College, Dublin) to the Irish Pharmaceutical Students' Association at the College of Pharmacy, Dublin, on February 24. Members and friends are invited to attend. The Association are now also preparing for the annual dress dance to be held in Dublin on January 28.

NEWS IN BRIEF

THE Registrar of Restrictive Trading Agreements has arranged that the hearing on the agreements concerning phenol is to take place on February 15.

THE Bank of England raised the rate of discount from 4 per cent. to 5 per cent. on January 21. The last change was on November 20, 1958, and was a reduction from 4½ to 4 per cent.

TOOTH-BRUSHES are to be provided free of charge to schoolchildren in Staffordshire on the recommendation of dental surgeons and school dental officers—subject to the approval of the Minister of Health.

BEGINNING on February 3, the Design Centre, 28 Haymarket, London, S.W.1, is to remain open on Wednesdays and Thursdays until 9 p.m. The decision follows the experimental extended opening of the Centre until 10 p.m. on Thursday evenings.

THE functions of the Board of Trade's Import Licensing Branch are being transferred to the Tariff and Import Policy Division and the present offices in Marsham Street, London, were closed from January 25. Applications and inquiries relating to import licensing should now be addressed to the Board of Trade, Tariff and Import Policy Division, Horse Guards Avenue, London, S.W.1.

TOPICAL REFLECTIONS

By Xrayser

The merry month

The publication of the motions for the Branch Representatives' meeting (p. 90) is a reminder that time is fleeting and that May is not very far off. Branches now have approximately one month in which to table amendments to the published resolutions, and a measure of activity may be confidently anticipated. I note that it is proposed to hold a ballot for the order in which motions are to be placed on the agenda. That is in accordance with the Rules of Procedure, where Rule 8 states: "... The order in which motions are to be taken shall be decided by ballot to be undertaken by the Council." It has been obvious for some time that no such ballot has taken place, and the procedure of "arranging" the order seems to have gone unchallenged. It seems, on the face of it, to be not unreasonable to group the resolutions so that all having a bearing on the same subject should be discussed together, and it may be that some form of compromise to allow for the balloting of groups will be found to provide both the intention of the rule and a more cohesive agenda. It may even be worth considering whether a double ballot should not take place, the first to decide the order of the groups, and the second to decide who shall lead. It is worth noting, also, that the motions published have not yet been accepted — they are merely submitted. Rule 3 states: "At their meeting in February, the Council will review the list of motions received and may instruct the secretary to delete from the list any motions that are in their opinion trivial, irrelevant or obscure."

Weight of opinion

It is clear, from a reading of the motions submitted, that there is strong feeling throughout the country on the question of the central-nervous-system drugs. Opinions differ as to the proper course of action, and some of the motions are worded in such a way as to make the task of the voting branch representative a particularly difficult one, if he is to avoid the pitfall of raising a hand which is at variance with the spirit of an earlier show of approval. The motion submitted by the Isle of Wight Branch commends the policy of the Council of the Pharmaceutical Society regarding C.N.S. drugs, but says that "professional responsibility would be increased by the placing of those substances in Schedule 1 of the Poisons Rules." Would it? Legal obligation would be increased, but it seems to me that professional responsibility is the greater when a substance is not controlled. I may be missing the point which the framers of the motion have in mind, but it looks as though the more pithy motion from Shropshire states the position more clearly. It demands merely "that C.N.S. drugs should be scheduled as Part 1 Poisons." Other matters of urgent concern include the tardy Section K, and the motion from Sheffield suggests exhausted patience. I heartily approve of the suggestion that the opinions of the branches should be sought in that matter, and indeed in all matters directly affecting the practising pharmacist.

Simplicity itself

Further to my paragraph of last week castigating the illegible medico, I am tempted to compose a few more "variations on an original theme," claiming as my excuse for doing so, the inspiration afforded by the letter of Mr. W. Haigh of Newcastle-on-Tyne, with its well-chosen facsimiles. I once suggested that a portable typewriter appeared to be a suitable present for a Belfast physician who found himself unable, despite threats, to write any better. It now seems, from the typewritten example on p. 89, that that is not necessarily the answer. Might it be that, during the course of qualifying in medicine, far too much time is spent on such obsolescent subjects as diagnosis, physiology and pharmacology? (What, after all, are medical representatives for?) An hour a day devoted to handwriting, and a refresher course annually, might produce results. Any falling off between courses could be dealt with quite simply by the pricing bureau returning 800 forms monthly for rewriting.

NEW PRODUCTS AND PACKS

A New Broad-spectrum Antibiotic.—Lederle Laboratories (a division of Cyanamid of Great Britain, Ltd.), announce the introduction of Ledermycin (demethylchlortetracycline) on February 1. As previously announced (C. & D., November 14, 1959), when the product became available in the United States, Ledermycin has been shown to have important advantages over other members of the tetracycline group of antibiotics. They are: Greater antibiotic activity; increased stability in body fluids; lower dosage; and slow excretion. In capsules of 150 mgm.; the packs are sixteen, 100 and 1,000. The basic daily dosage is 600 mgm. per day. An initial dose of 300 mgm. may be given in more severe infections, but single doses exceeding 300 mgm. are thought to be unnecessary.

Four Prescription Products.—McNeil Laboratories, Ltd., High Wycombe, Bucks, are marketing four new products: Parafon tablets, Tylenol elixir, Butibel tablets and Butisol tablets. Parafon contains chlorzoxazone, 125 mgm. and paracetamol, 300 mgm. in each tablet and the packs are twenty-five and 100. Tylenol elixir contains paracetamol, 120 mgm. in a cherry-flavoured vehicle with a low alcoholic content. Suggested dosage for infants and children is from $\frac{1}{2}$ –1 teaspoonful as to age. The pack is 4 fl. oz. Butibel tablets are an antispasmodic-sedative preparation for gastrointestinal spasm. Each tablet contains butobarbitone sodium, 15 mgm. with hyoscyamine, hyoscine and atropine. The packs are twenty-five and 100. Butisol brand butobarbitone sodium is offered in 15- and 30-mgm. tablets in containers of 100 and 500 and the 100-mgm. tablets in packs of twenty-five and 100 tablets.

An Introductory Size.—Keldon, Ltd., Wadsworth Road, Perivale, Greenford, Middlesex, are launching a new introductory size of Optrex eye lotion. An important feature of the pack is that it includes a free eye bath. The bottle is a smaller version of the standard sizes, and has been packaged as illustrated in an outer holding 1 doz. bottles for easy counter display and service. The regular sizes continue to be available.



Range Repackaged.—Airwick, Ltd., Slough, Bucks, have repackaged their range of aerosols which they have increased to include a mothproofing and



a fly killer. Illustrated here is the display stand showing how the repackaged range now looks. The makers state that the formula of the fly killer has been specially designed not to taint or harm food in the slightest yet there is no more powerful fly killing aerosol on the market. The mothproofing is claimed to be effective for twelve months and with its unique "three-way action" (killing, repelling and freshening) gives complete protection.

Aerosols Range.—Durazone (Sales), Ltd., Lovers Walk, Ballards Lane, London, N.3, are adding a range of aerosols to their Choice brand products. In standard 6-oz. packs, the products include air purifier, fly killer, moth proofer, spot remover and "kill cold" for cold relief. The makers claim that their prices are generally 25–35 per cent. lower than current competitive products in the field. Messrs. Durazone



also announce that they have put into operation a group-buying scheme for their customers, believed to be the first organised among retail chemists by a manufacturer. The company expects to enlist 10,000 members during 1960. Members receive additional discount of 12½ per cent. on top of discount and offers. To qualify for membership retailers must agree to order goods to the minimum value of £20 for a single delivery, which can be made up by any selection of any of the company's twenty-five regular lines. No time limit is set on such orders nor is the frequency of orders stipulated. The member is, however, asked to give priority of display and promotion to the products. Membership is granted on an annual basis and is renewable at the discretion of the company. The company is to distribute a quarterly publication for group members. Members may buy either direct from the com-

pany, or through their nominated wholesaler by arrangement.

Feed Additive for Dogs.—E. R. Squibb & Sons, Ltd., Woodend Avenue, Speke, Liverpool, 24, are to market an animal vitamin and mineral feed additive, Vionate. Vionate is not a food in itself but a concentrated feed additive which, the makers claim, "builds a strong bone structure; a sound nervous system; keeps the coat glossy and in perfect condition and acts as a general overall health and vitality stimulant." Apart from dogs, the product is equally suitable for cats, cage birds and horses. Its sale is being restricted to retail sales from the Cruft's stand during the period of the forthcoming show. The product will be subsequently launched in the Oxford area between February 15 and 22, with national distribution as from March. It will only be available from chemists and pet stores. The packings are ¼ lb., 2, 10 and 50 lb.

TRADE NOTES

Withdrawn.—ELI LILLY & Co., LTD., Basingstoke, Hants, have deleted from their list: Digilusin tablets; Enseals PAS 0.5 gm.; Enseals sodium chloride, 0.5 gm. and 1 gm.; Tes-Tape; Tylosterone tablets. EVANS MEDICAL, LTD., have withdrawn Iodevan from their list.

To Aid Sales.—Emphasis on the possible value to each member of the family is the theme underlying the design of the counter display outer for St. James' balm, Medico-Biological Laboratories, Ltd., London, S.E.25.

Wide Range.—Philips Electrical, Ltd., Shaftesbury Avenue, London, W.C.2, claim that their new Whiskette will whisk a wide range of liquids—"from cocktails to baby foods, from mayonnaise to meringues."

Bonus Offer for Window Display.—To tie up with an advertising campaign for Bemax in the national and provincial Press, special bonus terms in return for window and counter displays are announced elsewhere in this issue by the makers, Vitamins, Ltd., Upper Mall, London, W.6.

To Clean All Carpets.—New "extra lively" 1001 in an easy-grip bottle and containing "powerful and extra foaming qualities together with all the attributes of the present all-purpose 1001" now cleans all types of carpets, say the makers, P.C. Products, Ltd., Prospect Works, Allerton, Bradford, Yorks.

Propaganda Poster.—A new poster, size 9½ x 7½ in., has been produced by the Ministry of Health to illustrate the theme "Coughs and sneezes spread diseases." The poster is being offered to local health authorities for use during the winter months, and copies are also available to hospitals and Executive Councils. The poster is also to be offered to commercial and industrial firms.

Display "Dispensers."—A number of display and dispenser units are offered by E. R. HOLLOWAY SALES, LTD., Welwyn Garden City, Herts, with assortments of their Barnet "Leader" and "Ultra-

glaze" sunglasses. A lens guarantee and cleaning cloth is enclosed in each pack of Ultraglaze sunglasses and orders for the special trial assortment of 2 doz. qualifies for a ten shilling "refill discount voucher" against subsequent orders.—A complete range of Whitecross "Continental" sunglasses including lightweights is being offered by FREDK. LEHMANN CO., LTD., Rochester Place, London, N.W.1. — Stratton jewelled sunglasses in five colours are supplied in free plastic carrying case by the makers LAUGHTON & SONS, LTD., Warstock Road, Birmingham, 14.

Distribution Policy Unchanged. — A recent article in the food trade Press may have given the impression that SevenSeas cod liver oil is distributed for sale in grocery stores. That is not so, states Mr. G. E. Tunnicliffe (general manager, British Cod Liver Oils (Hull & Grimsby), Ltd.). The company distributes its medicinal cod liver oil and capsules exclusively through the retail pharmaceutical chemist, under the SevenSeas brand name. The same policy applies to SevenSeas multivitamin syrup and Azymil multivitamin and mineral capsules, and the company has no intention of distributing such products through any other channels, he adds.

Polystyrene Tubes.—A year ago, the plastics group of the Metal Box Co., Ltd., 37 Baker Street, London, W.1, began making printed polystyrene tubes for the pharmaceutical products of Calmic, Ltd. They proved so successful that Calmic, Ltd., has decided to extend the range. Its product, Calpol, is now packed in polystyrene tubes with poly-



these stoppers, each containing fifty tablets. The tubes and stoppers are white, and the printing is black and red with a bold use of solid colour. Ferromyn, for the treatment of iron-deficiency, has been packed in polystyrene tubes for some time, but the pack has now been re-designed, with black and orange print. Printed polystyrene tubes are strong, light and efficient. The printing is durable and does away with the need for labelling.

Bonus Offers

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts. Tyrozets and Sucrets: Bonus offers end January 30.

THERMOS, LTD., Seymour Road, London, E.10. Thermos "sixteen" range. Value of parcel to qualify for extra 5 per cent. is £10 0s. 6d. gross or £7 10s. 4½d. net and not as previously stated.

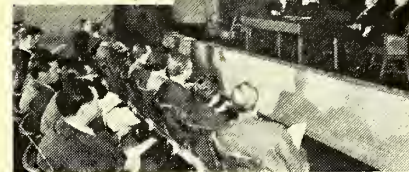
VITAMINS, LTD., Upper Mall, London, W.6. On orders for 6-doz. 1s. 9d. Bemax, extra 11s. from standard list price; 3-doz. 3s. size, extra 10s. 6d.; 1½ doz. 5s. 6d., 10s. Assorted parcels *pro rata*, February 1-12.

COOPER MCDUGALL & ROBERTSON, LTD., Berkhamsted, Herts. Orders for

MANUFACTURERS' ACTIVITIES

Russia Orders British Apparatus. — The Russian Trade Delegation to the United Kingdom placed an order worth £16,000 for thirteen gas-liquid chromatographic analysis apparatus with Griffin & George, Ltd., Ealing Road, Alperton, London. The order is the result of demonstrations given to the delegation's scientific representatives, at the Laboratory at Alperton, and at the symposium of micro chemistry in Birmingham in 1959.

Mr. W. L. Jeffrey (general sales manager, overseas division, Burroughs Wellcome & Co.) addressing representatives from agents of the company in ten European countries at a conference held in London recently.



Demand for Bottle-washing Machines.—"The increased number of amalgamations in the bottling trade will have an important effect on the sales of machinery manufacturers in 1960," said Mr. Thomas P. Hill, managing director of the Thomas Hill Engineering Co. (Hull), Ltd., at the company's annual sales conference. Mr. Hill said they were now manufacturing a much extended range of bottle cleaning machinery. Six entirely new machines to meet the changing demands of the times had been added to their range late in 1959. A new fully-automatic machine would soon be available for cleaning all sizes of new bottles.

Safety Poster Awards.—Judging in the annual Safety Poster Competition organised by the Distillers Co., Ltd., ended on December 17, 1959, when four entries were chosen for reproduction and use throughout the company during 1960. Subject of the competition was "Safe Handling." Preliminary judging took place at twelve regional centres in England and Wales, and the final selection was made from the thirty-three local prize-winners by a panel headed by Sir George Barnett (consultant to the company on safety matters). The prize-winners were Mr. S. G. Jones (main stores department, British Resin Products, Ltd., Barry, Glam: £20); Mr. H. Douglas (safety equipment storeman, Chemical Division, Hedon, Hull: £10); and Mrs. P. A. Doyle (laboratory assistant, antibiotics division, research and development department, Epsom: £5).

Prize-winning Irish Pharmacists. — Johnson & Johnson (Ireland), Ltd., Tallaght, co. Dublin, report that chemists in each of the areas covered by

12 doz. aerosols (range of seven products), additional 7½ per cent.; 4-11 doz., 5 per cent. Until April 30.

ROZALEX, LTD., 10 Norfolk Street, Manchester. 2. Rozalex No. 1 and No. 8. Twelve charged as eleven on orders for 1-doz. or more of one type. (Direct orders minimum 6 doz. of one type.)

the company's representatives in the Republic of Ireland took part in what proved a highly successful and hard-fought competition, and that all the competitors reached a high standard. The prize-winners were:—*Dublin Area:* 1. Mr. J. J. Power, M.P.S.I., 17 Moore Street, Dublin; 2. Miss M. Quinn, M.P.S.I., 7 Lower Baggot Street, Dublin. *Northern and Western Area:* 1. Mr. K. Harney, M.P.S.I., The Medical Hall, Main Street, Longford; 2. Mr. P. J. Fleming, M.P.S.I., Main Street, Roscommon. *South and South-western Area:* 1. Mr. M. L. Corbett, M.P.S.I., Mangan's Medical Hall, William Street, Limerick. 2. Miss J. Leader, M.P.S.I., Commons Road, Cork. *Midlands and Eastern Area:* 1. Kennedy's Medical Hall, 4 The Mall, Waterford; 2. Mr. T. H. Curneen, M.P.S.I., The Medical Hall, 2 Dublin Road, Stillorgan, co. Dublin. First prize in each area was £50; second £10.

EXPANSION PLANS

RAPID progress was made during 1959 on the erection of Imperial Chemical Industry Ltd.'s polypropylene (Propathene) plant at Wilton, Yorks. Reports from the chemical engineers engaged on the job indicate that the 10,000-ton-capacity plant will be on stream towards the end of 1960; earlier, it was expected that the plant would not be ready before 1961. The site is now fully developed, roads have been made and buildings completed ready for the processing equipment to be installed.

THE Monsanto Chemical Co., U.S.A., has begun start-up operations of a new plant said to be the first computer-controlled chemical factory in the United States. The special layout is expected to achieve maximum productivity at minimum operating cost by monitoring plant operations and automatically adjusting controls.

THE plastics division of Imperial Chemical Industries, Ltd., are to increase polythene production by approximately 15 per cent. in 1960, bringing the annual output to about 105,000 tons. As a result of the completion of new I.C.I. plants in India and Australia, and increased production in France and Germany, more polythene should be available for home distribution.

WORK has begun on the £550,000 extension to the branch of Boots, Ltd., at the corner of Argyle Street and Union Street, Glasgow. The fourth, fifth and six floors are to be sub-let as office accommodation. A canopy will cover the 250 ft. frontage and there will be a basement car park. Work is to be completed in two years, during which time normal sales service is being maintained. When completed, the building will house the biggest branch of the company in Britain.

LEGAL REPORTS

A "Terrible Thing"

It was a "terrible thing" that Preludin could be obtained so easily stated Judge Maxwell Turner at the Central Criminal Court on January 18, when Edward James Hook pleaded guilty to causing grievous bodily harm to a Mr. Lucombe and assaulting a detective sergeant. During evidence it was stated that Hook, armed with a knife and dagger had been found hiding in a garden. After avoiding the police for a time he was found hiding behind a cellar door and after a violent struggle was arrested. He had some Preludin tablets in his pocket. Dr. Francis Brisby, principal medical officer, Brixton prison, told the judge that Preludin would have a disastrous effect on Hook's behaviour particularly if he had been drinking. The doctor said that the drug could be obtained without a medical prescription, but some chemists refused to sell it.

IN PARLIAMENT

PARLIAMENT reassembled on January 26 after the Christmas recess and a number of questions were addressed to the President of the Board of Trade. MR. D. P. T. JAY asked if the Government would repeal Section 25 of the Restrictive Trades Practices Act 1956 that enabled manufacturers to enforce their prices on retailers. MR. C. OSBORNE asked if, in view of the general policy of the Government to reduce prices, the President of the Board of Trade would introduce an amending Bill on the Act that would allow a manufacturer to sue a retailer only if he sold above the recommended retail price. MR. J. RODGERS (Parliamentary Secretary, Board of Trade) stated that the working of that part of the Act was being studied in order to decide whether any changes should be recommended to Parliament, but it would be some time before a statement could be made. MR. JAY: "Is it not rather odd that the Chancellor should be asking traders to reduce their prices at the same time as the Government's own legislation is preventing them from doing so?" MR. RODGERS said that the extent to which the enforcement of retail price maintenance conditions by manufacturers could hinder the response to the appeal for lower prices could easily be exaggerated. It appeared to be in force in well under 50 per cent. of the retail market. Few foodstuffs were price maintained. MR. J. LEDGER said that under the threat of court action there were many retailers who were forced to take 80 to 100 per cent. profit margins when they would be content with something more modest.

Price Fixing Agreements

MR. M. LIPTON asked the President of the Board of Trade if he would introduce legislation to abolish price-fixing agreements. MR. J. RODGERS: "No, Sir. Effective machinery for bringing to an end undesirable price fixing agreements is already provided in Part I of the Restrictive Trade Practices Act, 1956." MR. LIPTON: "Is it not clear that the arrangements in Part I of the Act are quite inadequate to

deal with the problem in its present magnitude? Is it not clear, further, that all these trade agreements and resale price maintenance arrangements are sabotaging the Chancellor of the Exchequer's somewhat ineffectual appeal to bring down prices? When will the consumer get the benefit of increased productivity?" MR. RODGERS: "There is no reason so far to assume that all agreements on price are necessarily against the public interest."

COMPANY NEWS

Previous year's figures in parentheses

DIXOR, LTD.—Dividend on the Ordinary shares is repeated at 12½ per cent. Profits were £11,562 (£11,043), before tax of £5,362 (£5,549) and depreciation of £1,151 (£1,092).

ILFORD, LTD.—Mr. W. E. H. Metcalfe, has, following medical advice and on the near approach of his sixty-fifth birthday, retired from the board. Mr. F. O'S. W. Hutchinson (secretary) and Mr. G. A. Jones (production manager) have been appointed directors with effect from January 21.

MEDOPHARMA, LTD.—Messrs. John Ramage and Victor Fox, for many years director and works manager, respectively, of Clinical Products, Ltd., Richmond, have joined the board of Medopharma, Ltd., a former subsidiary of Clinical Products, Ltd., Medopharma, Ltd., is now operating as an independent company, at 158 Tooting High Street, London, S.W.17.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—The Aspro-Nicholas offer of three Aspro 5s. Ordinary and £6 cash for every £4 of Ordinary stock of Griffiths Hughes Proprietaries, Ltd. (C. & D., January 23, p. 84), is being accompanied by an offer by S. G. Warburg and Co., Ltd., to those who do not wish to retain an interest in the combined undertaking, of 60s. cash for £1 Griffiths Ordinary. Griffiths Hughes directors state that they consider both offers are fair and reasonable and recommend acceptance of one or the other. Details of the offers are expected to be issued shortly when further information as to the current position of the Griffiths Hughes group will be given.

LEWIS & BURROWS, LTD.—A joint statement by Mappin & Webb, Ltd., and Clinical and General Industries, Ltd., announces that Mappin & Webb has sold its 93 per cent. holding of the Ordinary stock of Lewis & Burrows to Clinical & General Industries and Mr. S. K. Zilkha at 82s. per £1 stock unit. The total consideration was just over £285,000 for the 69,638 stock units. The purchasers have undertaken to make a similar offer to all the other holders of Ordinary stock of Lewis & Burrows. It is intended that Lewis & Burrows shall continue to carry on its traditional business. Control of Lewis & Burrows was acquired by Mappin & Webb in December 1958 and they in turn were acquired by Mr. Clore's Sears Holdings in July 1959.

ALBRIGHT & WILSON, LTD., and A. BOAKE, ROBERTS & CO. (HOLDING), LTD.—The boards of the two companies announce that they

have reached agreement with a view to the merger of the two businesses. The merger will be effected by an offer of Albright & Wilson shares on the basis of one Ordinary stock unit of 5s. of Albright & Wilson plus 2s. in cash for each Ordinary 5s. stock unit of Boake, Roberts, and one 5 per cent. Cumulative Preference stock unit of £1 of Albright & Wilson plus one shilling in cash for each 5 per cent. Cumulative £1 Preference share of Boake, Roberts. The board of Boake, Roberts propose in the event of the merger being carried through, to declare in respect of the year ending March 31, a second interim dividend of 9½ per cent. (less tax) in place of a final dividend. It is intended that the dividend will be paid during April to the present shareholders. The board of Albright & Wilson expects to declare a second interim dividend (to be final) of 13½ per cent. (less tax) in respect of the year 1959. Ordinary stockholders of Boake, Roberts will not be entitled to participate in that second interim dividend.

New Companies

P.C. = Private Company; R.O. = Registered Office
SILKY CLEANSER CO., LTD. (P.C.)—Capital £1,000. To carry on the business of chemists, etc. Directors: Geoffrey Robinson and Irene M. Robinson. R.O.: 15 Bond Street, Leeds, 1.

GARYEN, LTD. (P.C.)—Registered October 7. Capital £100. To carry on the business of wholesale and retail chemists and druggists, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 156 Strand, London, W.C.2.

BUSINESS CHANGES

THE medical, surgical and laboratory glassware section of the Anglo-French Manufacturing Co., Ltd., 2 Honduras Street, London, E.C.1, has been acquired by Solport Brothers, Ltd., 44 Spencer Street, London, E.C.1, from February 1.

Appointments

WHIFFEN & SONS, LTD., Loughborough, Leics, have appointed Dr. E. S. Stern their research manager.

LONDON RUBBER CO., LTD., have appointed Mr. P. J. Holt, 55 Grenville Avenue, Whipton, Exeter, Devon, their representative for Cornwall, Devon, Dorset, Wiltshire, and Somerset.

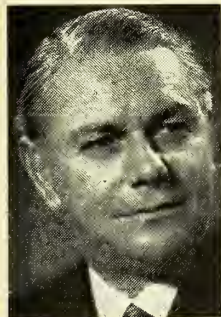
DISTILLERS CO. (BIOCHEMICALS), LTD., The Broadway, London, S.W.19, have appointed the following representatives: Mr. R. A. Crabtree, M.P.S., for the southern part of West Riding of Yorkshire; Mr. P. B. Bowden, North-west Lancashire; Mr. B. J. McGivern, London, N. and N.W. districts.

BORAX & CHEMICALS, LTD., 35 Piccadilly, London, W.1, announce that Mr. H. F. Barnett (sales manager) and Mr. W. C. Steer (secretary), having reached retirement age are relinquishing their duties on January 31. Mr. P. J. Gilbert, who was for over five years their representative in the Midlands, succeeds Mr. Barnett and Mr. B. W. Green, who joined the company's head office staff in 1951 succeeds Mr. Steer.

PERSONALITIES

MR. J. W. E. TYLER, who is senior sales representative for Solport Brothers, Ltd., 44 Spencer Street, London, W.1, recently completed twenty-five years' service with the company. At an informal gathering recently he was presented with a gold watch.

MR. JOHN F. BOUCHER, M.P.S., who has been elected *President* of the



Proprietary Articles Trade Association (see p. 112) has represented Ferris & Co., Ltd., Bristol, on the wholesale section of the P.A.T.A. council since 1951 and has been a vice-president for the past three years. Mr. Boucher was apprenticed to the Bristol house of Ferris & Co., Ltd., manufacturing and wholesale chemists, and completed his training at the Bath and West of England College of Pharmacy and the School of the Pharmaceutical Society, qualifying in 1928. In the intervening years, in addition to being engaged in promoting and extending the business interests of Messrs. Ferris—now incorporated in J. R. Gibbs, Ltd., an associate company of The British Drug Houses, Ltd.—Mr. Boucher has been an active representative of his firm on the Association of British Pharmaceutical Industry, having served as chairman of division A and as president of the Association, 1954–55. He has also been chairman of the drug and fine chemical manufacturers group of the Association of Chemical and Allied Employers. When the British Pharmaceutical Conference met at Bristol in 1957, Mr. Boucher acted as joint treasurer to the local organisation and was an active participant in all the arrangements for the Conference week.

DEATHS

BARCLAY. — On January 12, Mr. John Barclay, M.P.S., 107 Broughton Street, Edinburgh. Mr. Barclay qualified in 1913.

BARSTOW. — Recently, Mr. Edwin Wilfred Barstow, M.P.S., 26 Holmbush Road, Putney, London, S.W.15. After serving an apprenticeship at two then well known retail pharmacies, Mr. Barstow joined the staff of Charing Cross Hospital on qualifying in 1914, leaving after two years for a post in the West Indies. On returning to this country he rejoined the same hospital where he remained until his retirement as co-chief pharmacist in 1946. Two years earlier he was persuaded to take an active part in Guild of Public Pharmacists affairs acting as assistant secretary. In 1948 he was co-opted as a member of the Guild's Council and made deputy secretary, a position he held until his retirement from the council in 1954. Of late he had acted as pharmacist to the Royal Hospital and Home for Incurables, Putney.

BATTLE. — Recently, Mr. Ernest William Chatterton Battle, F.P.S., 1 The Close, Sheringham, Norfolk. Mr. Battle qualified in 1897.

DAYKIN. — Recently, Mr. George William Daykin, M.P.S., 33 Thorncliffe Road, Nottingham. Mr. Daykin qualified in 1920.

FARQUHAR. — On January 18, Mr. James Farquhar, M.P.S., 340 Great Western Road, Aberdeen. Mr. Farquhar was a native of Inch and qualified in 1900 after working in Aberdeen and Edinburgh. He opened his pharmacy in Great Western Road over fifty-one years ago and was a former president of the Aberdeen Pharmaceutical Association.

FOWLER. — On January 20, Mr. John William Fowler, 285 Eastfield Road, Peterborough (managing director, Sturton & Sons, Ltd., Bridge Street, Peterborough), aged seventy-one. Mr. Fowler took over the business of Sturton & Sons, Ltd., in 1938, with his two sons, Mr. A. C. Fowler, M.P.S., and Mr. H. W. Fowler, F.P.S. Mr. A. C. Fowler is now a director and superintendent pharmacist of the company but Mr. H. W. Fowler left the business and has for several years been a lecturer in pharmacy at Leicester College of Technology and Commerce.

GEDGE. — On January 22, Mr. Horatio Lewis Gedge. Mr. Gedge qualified as a chemist and druggist in 1927. He was a radio and television actor who took the part of Mr. Luscombe in the

B.B.C.'s West Country serial about the family of that name. His father, Mr. H. W. T. Gedge, M.P.S., had a pharmacy for many years at 12 Chapel Row, Bath.

MEIKLEJOHN. — On January 14, Mr. Peter McIlldowie Meiklejohn, M.P.S., 6 Wendover Drive, Bedford. Mr. Meiklejohn qualified during 1929.

RAW. — Recently, Mr. Herbert Raw, M.P.S., 209 Childwell Road, Wavertree, Liverpool. Mr. Raw qualified in 1926.

SANDERS. — On January 19, Mr. John Fletcher Sanders, 90 Sutton Road, Walsall. Mr. Sanders, who qualified as a chemist and druggist during 1904, served his apprenticeship under his father and opened a pharmacy in East Street, Crewkerne, on December 1, 1909, where he remained until he retired on January 1, 1946. In his youth he represented Somerset at football and cricket, as an amateur. Since his retirement Mr. Sanders has lived at Taunton, Pinner and Walsall.

SCOTT. — Recently, Mr. Ronald Falcon Scott, M.P.S., 216 Burton Road, Branston, Burton-on-Trent, aged forty-seven. Mr. Scott was manager of the Lichfield Street, Burton-on-Trent, branch of Boots, Ltd., for some years.

TODD. — Recently, Mr. James William Todd, M.P.S., 2 Ewesley Road, Sunderland. Mr. Todd, who was seventy-nine, had a pharmacy in Frimdon Street, Sunderland, for over forty years.

IRISH DRUG ASSOCIATION

A golden jubilee dinner

THE Irish Drug Association's golden jubilee dinner is being held in the Gresham hotel, Dublin, on February 20. Details of the function, together with the price of the tickets, are to be circulated to members of the Association in the near future. The function is to be held in the spacious Aberdeen hall, but because accommodation on the ground floor is limited to 350, early provisional application for reservations should be made to the secretary of the Association, 27 Merrion Square, Dublin. About 500 can be accommodated, and the function is not confined to members.

History

The Association held their first meeting in May 1909 in the then offices of the Council of the Pharmaceutical Society of Ireland at 67 Lower Mount Street, Dublin. The meeting took the form of a friendly discussion among Dublin chemists, consequent on the announcement of a new duty in the budget of that year on certain pharmaceutical products. The hope was expressed that as a result of the meeting a new, and permanent, Dublin Chemists' Retailers' Association could be formed. It was pointed out that virtually every other retail trade in the city had its own organisation to protect its interests, including profit margins.

Sir Thomas Robinson, of Messrs. Hayes, Conyngham and Robinson, and father of Mr. F. J. Robinson, member of the Council of the Pharmaceutical Society of Ireland, consented to act as

chairman of the provisional committee formed at the meeting, and was later elected the first president of the Association.

Among the members elected to the provisional committee was Mr. John Smith, father of Mr. Lyal Smith, Tere-nure, who is now a member of the I.D.A.

It was agreed to call the new organisation the Dublin Retail Drug Association (D.R.D.A.), and some years later the title was altered to the Dublin and Provincial Retail Drug Association, the organisation in the meantime having spread to the provinces. Eventually it was decided in 1936 to change the title again: to that of the Irish Drug Association—under which name it now flourishes. In 1936 the Association was also registered as an Employers' Trade Union. Such has been the success attending the activities of the organisation that in Dublin city and county it now has a membership of 97 per cent. of the retail trade, while the figure for the provinces stands at over 90 per cent. Considering that membership is purely voluntary, the all-round strength of the organisation is regarded as exceptionally good.

Down the years the Association has been the subject of many vicissitudes, including the Fair Trade Commission Inquiry in 1954, but it has successfully weathered all difficulties, and today is so highly thought of in official circles that it is allowed to price and prescribe under the Maternity Child Health Services' Regulations, 1954 (as amended).

P.A.T.A. OFFICERS FOR 1960-61

Quarterly council meeting

MR. J. F. Boucher was elected *President* of the Proprietary Articles Trade Association at a meeting of the council, held in London, on January 14. The meeting commenced with Mr. N. C. Jeffery in the chair. Meetings of the three sections preceded the council meeting.

The secretary reported that during the past year the Association's representatives had made 988 visits to price-cutting traders on behalf of a number of its manufacturer members. At the request of those manufacturers 893 test purchases had been made and 342 letters sent to price-cutting traders. In a number of instances assurances had been received that the correct prices would be charged in future sales. During the year certain manufacturer members had instituted successful injunction proceedings against certain price-cutting traders and those traders also gave undertakings under seal to other manufacturers.

Resale Price Maintenance

The council noted with concern reports in the Press that the Government had under serious consideration the banning of resale price maintenance, for which a legal sanction was provided by Section 25 of the Restrictive Trade Practices Act. The council considered that any such step would be quite unjustified and could only result in demoralisation of, and hardship to, the distributive trades and their employees. The council endorsed the views on the subject expressed by the secretary in his letter to *The Financial Times* and those of the secretary of the National Pharmaceutical Union in *The Times*. The council agreed on a course of action to be taken as and when required.

The secretary reported on the financial position of the Association, which was more satisfactory than for the previous year. Membership had remained at approximately the same although in the retail section a number of members had been lapsed. The functions and benefits accruing from the work of the Association were being brought to the notice of all such persons, both by letter from the secretary and by propaganda material which was being included in price lists and other publications by wholesale members.

In the council election the following members of the *Wholesale Section* were elected to serve for a period of three years:—Messrs. E. H. Butler & Son, Ltd., J. R. Gibbs, Ltd. (inc. Ferris & Co., Ltd.), May, Roberts & Co., Ltd., and Smith & Sons (Norwich), Ltd. There were no contests in the manufacturers' and retail sections and the following were returned unopposed:—*Manufacturers' Section*, The British Drug Houses, Ltd., J. Grossmith & Son, Ltd., Thos. Marns, Ltd., and John Steedman & Co.; *Retail Section*, Messrs. H. R. Brown, A. R. Cross, C. H. Foster and W. T. Stoyale.

Mr. L. D. Smith, on behalf of the wholesale section, said it was his pleasurable duty to nominate Mr. J. F. Boucher as *President* for the ensuing year. The proposal was seconded by

Mr. Marns on behalf of the manufacturers' section and supported by Mr. Foster on behalf of the retail section—both of whom paid tribute to Mr. Boucher's qualities and personality. Mr. Boucher then took the chair and was invested by Mr. Jeffery with the president's badge of office. Mr. Boucher, in acknowledging the honour paid to him, said he felt the office to be a responsible one and he was deeply conscious that he was following an excellent predecessor. He was proud to think that in due course his own name would be added to those on the president's plaque at headquarters, and he would endeavour to be worthy of that honour.

The following officers were also elected: *Vice-Presidents*: Mr. T. Marns

(manufacturers' section); Mr. L. D. Smith (wholesale section); Mr. C. H. Foster (retail section); *Treasurer*, Mr. R. G. Dyas, *Executive Committee*, Messrs. J. R. Archer, N. Dewey, H. G. Middleton and J. K. McPhie (manufacturers' section); N. E. Forster, B. C. Lewis, P. J. Lushington and H. G. T. Read (wholesale section); A. R. Cross, J. E. Goodall, H. G. Moss and W. T. Stoyale (retail section), with (ex officio) the president, the immediate past-president, the vice-presidents and the treasurer.

The secretary reported that after negotiations with the Customs and Excise authorities, agreement had been reached regarding exemption from purchase tax of bonus goods included in special offers.

The next meetings of the sections and full council, and also the annual meeting, were arranged for April 28.

TRADE EFFLUENTS

Final report of subcommittee

IMPORTANT changes in the law relating to the discharge of effluents into rivers and sewers are suggested in the report of the trade effluents subcommittee of the Central Advisory Water Committee (H.M. Stationery Office, 3s. 6d.) which sat under the chairmanship of Sir Frederick Armer. Dealing with river pollution the subcommittee recommended that each discharge should be judged individually on its merits in the same way that new discharges were dealt with under the Rivers (Prevention of Pollution) Act 1951. They suggested that within a period of one year from the passing of any new legislation all dischargers should have to apply to river boards for consent to continue their discharges. The river board should have power to attach conditions to their consents and from time to time to review them. Any discharger who had not made a valid application within the year would not continue to enjoy further protection from proceedings by the river board.

While they had before them an application for consent the river board would be able to take proceedings against the discharger only if the application contained false information, and if the effluent was worse in some respect than stated at the time of the application, or if the discharger had failed to use his existing facilities of purification, or if the effluent constituted an offence under Section 8 of the Salmon and Freshwater Fisheries Act, 1923.

An applicant who was dissatisfied with the conditions laid down by the river board would have a right of appeal within three months.

Compliance with the river board's conditions would render a discharger immune from proceedings under the Salmon and Freshwater Fisheries Act, 1923; under the Act of 1951 and under the sea fisheries bylaws relating to pollution. The subcommittee considered that the first consents for pre-1951 discharges would not always aim at the ultimate requirement. River boards should be able to impose conditions subject to time limits, and conditions that operated from a later date.

Concerning trade effluents discharged into sewers the report states that the limitations of local authorities' duty to receive trade effluents into their sewers must continue to be determined by local circumstances. The authorities should not have to deal with exempt effluents on financial arrangements made in or before 1937. Except where there was a contract between the local authority and the trader, the local authority should be empowered to make and vary charges in respect of such effluents, subject to a right of appeal to the Minister. Where the discharge of an exempted effluent had been discontinued for two years the trader should be required to obtain consent to resume a discharge as for a new one. All traders should be required to submit to local authorities information about the volume and nature of their trade effluents.

Another recommendation was that there should be a closer relationship between industry and river boards and when the constitution of river boards came under review, the claims of industry to representation should be recognised.

No recommendations were made in regard to treatment for taxation purposes of monies expended by industry on purification plant.

The subcommittee considered the case for restricting the common law right of a "riparian owner" to seek an injunction against anyone altering the character or quality of water in the stream. The majority of the subcommittee found no substantial evidence that the common law was operating inequitably and no ground for recommending a restriction on the right to apply for an injunction. Two members, however, disagreed with that conclusion and put in a reservation in which they expressed the view that the right to apply for an injunction had imposed heavy expenditure on some industrial concerns. They recommended that exercise of the right should be restricted to those effluents which fell below a standard prescribed in the consent given by a river board, or which caused proven damage.

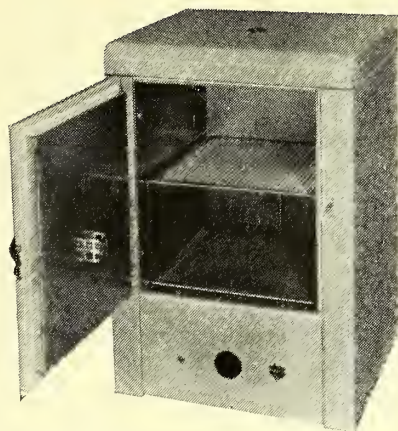
INSTRUMENTS AND APPARATUS

Two New Models.—Baird & Tatlock (London), Ltd., Chadwell Heath, Essex, England, have redesigned the Stabilec oven with a range of 30°–200° C. It has two readily replaceable heaters and the control of the chamber temperature is effected by a bimetallic regulator. The overall size of the oven is 17 in. wide x 17½ in. deep and 24 in. high, and can be operated on either 100-125 volts or 200-250 volts with a maximum loading of 600 watts. In addition the company are issuing the Bara wide-range incubator of all-metal construction for use up to 80° C. It can also be operated at temperatures below ambient by passing external cooling water through the jacket. It has an overall size of 34½ in. wide, 24½ in. deep and 38½ in. high. Models are illustrated on the right.

Temperature Recorder.—The Cambridge Minican temperature recorder, issued by the Cambridge Instrument Co., Ltd., 13 Grosvenor Place, London, S.W.1, consists of a chart (40 mm. wide) mounted on a drum which revolves at a constant rate, permitting a pen to trace a temperature record for two hours, twelve hours or twenty-four hours. In use, both chart and pen are completely enclosed in a cylinder which is liquid and gas proof. The complete instrument may be enclosed in ovens, cold storage, autoclaves, etc. It is 4 in. high and 2¼ in. in diameter and weighs 1½ lb.

Blending Without Leakage.—The 800-mil Ato-Mix electric laboratory blender manufactured by Measuring and Scientific Equipment, Ltd., Spencer Street, London, S.W.1, is now equipped with a sealing cover assembly incorporating a lid moulded in Rigidex high density polyethylene supplied by British Resin Products, Ltd. The blender can be employed for the preparation of suspensions and emulsions and the use of the sealing cover enables toxic, corrosive or bacteriologically dangerous fluids to be handled safely without the risk of leaking. The cover is claimed to be completely resistant to corrosion and staining. A 100-mil model, utilising the same motor assembly, is available for smaller volumes and semi-micro work.

Hot-air Steriliser.—Although its capacious chamber, with telescopic rack to facilitate tray removal, makes it an ideal steriliser for use in a syringe service, the Buckingham hot air steriliser introduced by Surgical Equipment Supplies, Ltd., Westfields Road, London, W.3, is claimed to be an efficient and economical general-purpose steriliser. Uniform heating throughout the whole of the chamber, accurate to



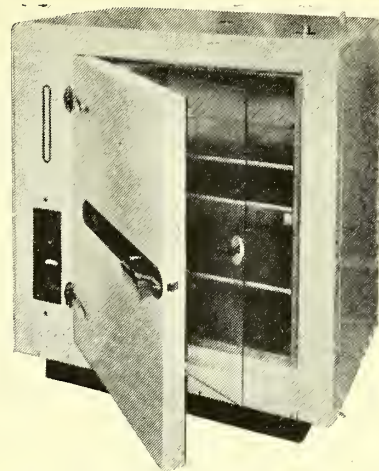
Bara wide-range incubator (Baird & Tatlock (London), Ltd.).

within plus or minus 2° C, is ensured by the drawing of air through the chamber centre from the outer heating chamber over black heat elements by a circulating fan. The steriliser has a capacity of 3 cu. ft. and can be supplied on steel runners for bench mounting or on a suitable floor stand.

Demineralised Water.—The mark 4 and mark 5 portable Deminrolit plants, manufactured by the Permutit Co., Ltd., Gunnersbury Avenue, London, W.4, have been designed for "on the spot" regeneration which involves flushing the cation column with a dilute hydrochloric acid solution, and the anion column with dilute caustic soda or soda ash solution. The mark 4 produces demineralised water at 11 gallons hourly; the mark 5 about 6 gallons hourly.

Incubator Protection.—The necessity for protection of the contents of incubators in the—already remote—possibility of thermostat failure during prolonged runs has led to the development by Townson & Mercer, Ltd., Croydon, Surrey, of a new control system. This incorporates two regulators gauged to one setting control. By adjusting one to operate some 2° higher than the other, the former will take over control should the latter fail. The incubators are constructed of aluminium, and the heaters are clamped to the outer surface of the interior wall. The nichrome tape used for the heaters carries a five-year guarantee. There are two sizes available, each with or without circulating fan.

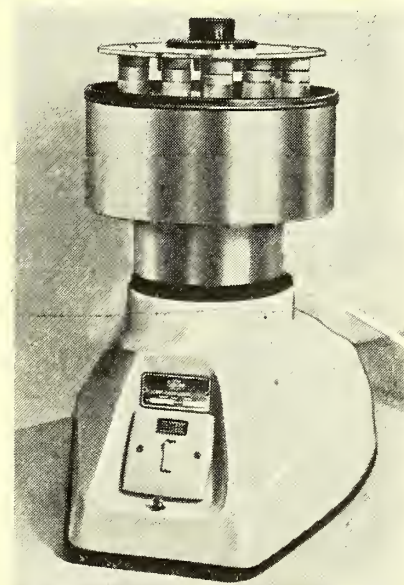
A New Range.—Greatly improved appearance and durability are claimed for the new range of metal laboratory furniture units issued by Griffin & George (Sales), Ltd., Ealing Road, Alpertown, Wembley, Middlesex. A "no-projection" feature has been incorporated in the new cupboards and drawers. A continuous flange offers finger-grip space over the full width of door and drawer and gives the units an extremely clean and flush appearance. Special attention has also been given to the adjustment and alignment of the drawers and a rubber buffer on the track makes for quiet operation. Flashing strips conceal all fixings, ensuring



Stabilec oven (Baird & Tatlock (London), Ltd.).

that the new metal furniture tones in well with existing installations, with which it is immediately and completely interchangeable.

Tablet Disintegrator.—Designed to satisfy the British Pharmacopoeia for the mechanical disintegration of tablets, the Calmic tablet disintegrator, made by the Calmic Engineering Co., Ltd., Crewe, Cheshire, is composed of two polished stainless steel circular tanks, one fitted inside the other, the inner tank carrying the disintegration fluid in which the tablets are immersed. The outer tank is filled with water and carries an immersion heater and thermostat. The tanks are supported on a corrosion-resistant glass-fibre machine casing enclosing a single-phase geared motor and needle roller bearing "scotch yoke" mechanism. This provides the vertical movement to the tab-



let tubes through a non-corrosive shaft running in self lubricating bearings. The machine has been designed so that it will require a minimum of maintenance beyond the cleaning of the inner tank which is quickly detachable.

BRANCH EVENTS

SOUTH-EAST LONDON

Standing Room Only

THE monthly evening meeting of the S.E. London Chemists' Association, on January 12, took the form of a beauty lecture and make-up demonstration. MR. COTTIS (Southern area sales manager, Messrs. Max Factor (Sales), Ltd.), gave a talk on the correct use of cosmetics and beauty aids. A demonstration was given by MISS CAROL MACKENZIE, a senior Max Factor demonstrator, using a volunteer from the audience as a model. So large was the attendance, members brought their wives and assistants, that there was "standing room only" some time before the meeting was due to commence. Each lady present received, before leaving, a presentation box containing samples of Max Factor products.

LIVERPOOL

The Fire Service

RECENTLY the Liverpool Chemists' Association and Branch of the Pharmaceutical Society heard a talk by MR. C. R. MANSELL (divisional officer of

the Liverpool Fire Brigade) on the operations of the fire service. His talk was illustrated by three films, one a London fire service film and the other two cartoon subjects on fires. Mr. Mansell pointed out that according to press reports the fire losses in Britain in 1959 were the biggest ever and totalled about £40 millions. He outlined the history of the Liverpool brigade which now had eleven fire stations and a staff of 679 and he gave statistics and classifications of the fires that had occurred in the city. Replying to a question by MR. C. S. CULLEN, MR. MANSELL said the fire vessel which operated on the River Mersey was also used for duties in connection with the port health authority. On a question of unprotected stoves, raised by MR. L. A. BUTT, MR. MANSELL said it was illegal for a retailer to offer for sale gas, electrical or oil stoves which were not fitted with an adequate guard. The fire service was empowered to test whether the guard was adequate. The vote of thanks to Mr. Mansell, who was assisted by station officer B. Morris, was proposed by MR. J. P. MURPHY.

MANCHESTER

A Magnificent Cheque

A CHEQUE for £300 was handed to the president of the Pharmaceutical Society (Mr. G. H. Hughes) for the Society's Benevolent Fund when he attended the annual dinner and dance of the Manchester Pharmaceutical Association and Manchester and Salford Branch of the Society on January 13. Mr. Hughes and Mr. G. T. David (chairman of the executive, National Pharmaceutical Union), were the principal guests. Because of a recent motoring accident to Mr. Cronin (chairman of the branch) the toast to the Society was proposed by Mr. G. I. THOMAS (president of the Association). Before replying to the toast MR. HUGHES presented badges to past presidents of the association, and MRS. RAWCLIFFE (treasurer of the Benevolent Fund) presented the cheque. The toast to the guests was proposed by MR. H. BURLINSON (treasurer of the Association and Branch). MR. G. T. DAVID replied. Three hundred members and friends attended.

MEMBERS' NIGHT AT EDINBURGH

A triple bill of talks

"MEMBERS' Night" maintained its reputation of providing an interesting and useful branch function. Three members took part in the programme with talks, all of which dealt with different topics but all equally interesting. MR. A. WILSON STRACHAN, a director of the Heart of Mid-Lothian Football Club took as his theme the recent tour of Australia by the "Hearts" football team. The party left Britain in the early summer to arrive "down under" in winter, but nevertheless at that time the country was magnificent. The tour gave immense satisfaction to everyone though the standard of football in Australia was below that enjoyed by watching the first class teams at home. Some of the games were played on the famous "test match" cricket grounds. The speaker said he had little opportunity to study local pharmaceutical conditions or even to meet local pharmacists, he did however meet one old pharmacist who recalled that he had served his apprenticeship in the early nineteen hundreds with Mr. Strachan's father in Jedburgh.

MR. N. HERDMAN, who contributed an address on "Social intercourse in some of the learned societies in Edinburgh" said in a branch meeting composed of markedly contrasting types, the only thing they all had in common was an interest in their calling. This was as good a basis, and a better reason, than many. The association of a special group of people bound by a common skill and knowledge which helped groups of men to earn their living remained one of the most absorbing and least harmful aspects of the peculiar and persistent desire, present in most people, to join exclusive groups. Every country and every reasonably sized town in every country had

its professional and trade associations. Edinburgh was no exception. It was the capital of Scotland and because of this it also had within its bounds the headquarters of several organisations, of national, as distinct from purely local, character. Some twenty-four such bodies presently exist. Investigating their activities it was found that among the most active were those that had their own houses which they could call their home, and ornament them to their own liking, passing on from one generation to the next, almost as heirlooms, those treasures that they as a society or their members as individuals have collected over the years. The existence of a recipient was as important a pre-requisite to generosity as the existence of a donor. Our own society had this in two comparatively recent social exercises upon which it had so happily embarked. The purchase of Birdsgrove House in Derbyshire and the more recent decision to hold in the Society's own house the Council dinners that follow each monthly meeting, rather than, as formerly in a nearby hotel. Birdsgrove House was the constant and continuous recipient of the tangible goodwill of the Society's members both as individuals and through the branches. Those gifts would doubtless go elsewhere if there was no house to receive, exhibit and use them. The Society's town house in Bloomsbury Square now received gifts of silverware for its own dining room, gifts which had come spontaneously as soon as there appeared a place to receive them. So it was with the learned societies of Edinburgh. Those with their own homes had become treasure houses filled with the gifts of their members through the generations.

MR. S. G. HOME, in an address on "Pharmaceutical Trends" said it was almost impossible to foresee the future with any certainty, but we could observe the trend of events and from that make a fair assessment of future possibilities. While there was a growing demand for pharmacists in industry, by far the greatest number found their vocation in retail pharmacy. In Scotland, for example, there were between 2,900 and 3,000 pharmacists on the register of whom 2,600 to 2,700 were engaged in retail pharmacy and almost equally divided in numbers between employers and employees. There were between 1,700 and 1,800 pharmacies in Scotland of which about 1,450 were independently owned by some 1,350 pharmacists; the remainder were multiple concerns. Of pharmacists employed in retail pharmacy in Scotland about 75 per cent. were in the age groups between 31 and 65. From a survey made in recent years, the number in the 21/25 age group in 1955 was much below the number in the over 65's group, whereas in 1957 the position seemed to more or less balance. National surveys in recent years indicated that the total turnover of all the pharmacies in the United Kingdom rose from £168 million in 1952 to over £200 million in 1957 and that the average turnover per pharmacy was £14,000 annually but, regrettably, very many pharmacies had a turnover far below that figure. It was estimated that on average about 30 per cent. of the total turnover of a pharmacy was derived from National Health Service dispensing and the remaining 70 per cent. from over-the-counter sales. Very few, if any, retail pharmacies in this country could exist by the practice of pharmacy alone.

NO RAIN — BUT THERE WAS A "LEEK" OR TWO
at

The President's
Evening

"CROESO"

"LLOYD GEORGE
WAS PROUD OF
HIS CONNECTION
WITH
MANCHESTER"

GWILYM
HUGHES
PRESIDENT
PHARMACEUTICAL
SOCIETY OF
GT. BRITAIN

G. I.
THOMAS
PRESIDENT OF
MANCHESTER
PHARMACEUTICAL
ASSOCIATION

PAID SPECIAL
TRIBUTE TO
MR. STEINMAN'S
WORK FOR
PHARMACY

GT. DAVID
CHAIRMAN
OF THE
EXECUTIVE
OF THE
NATIONAL
PHARMACEUTICAL
UNION

CYMRU
MANCHESTER

AM

BYTH!

MANCHESTER

PHARMACEUTICAL ASSOCIATION

AND THE

MANCHESTER, SALFORD & DISTRICT
BRANCH OF THE PHARMACEUTICAL SOCIETY

ANNUAL DINNER

JANUARY 13th 1960

"I LIKED IT!"

50 YEARS
IN
PHARMACY

HARRY
BURLINSON
TREASURER
ASSOCIATION &
BRANCH

E. CRONIN
CHAIRMAN
OF THE
BRANCH

"MR. HUGHES,
MY FAVOURITE
OPERA
SINGER"

HARRY
STEINMAN
MEMBER OF
COUNCIL

MRS. J. M.
RAWCLIFFE
SOCIAL SECRETARY

"WILF"
ROBSON
MASTER
OF
CEREMONIES

A. E.
THORPE — SECRETARY

SELFLESS
WORKER
ON BEHALF
OF THE
BENEVOLENT FUND, PLACE CARDS FOR THE LADIES
SHE HANDED OVER A CHEQUE
FROM 'MANCHESTER' FOR £300

MRS. G. I. THOMAS



Correspondence

A Call for Action

SIR,—The future supply, by pharmacies, of medicines to the public under the National Health Service is threatened by a Government proposal (if Press hints are correct) to disallow the right of manufacturers to fix and protect the retail prices of their own products. Indeed that would result finally in the closure of many of the country's pharmacies. Every thinking pharmacist knows, and even some official circles seem to realise, that the pharmaceutical service of the N.H.S. is subsidised in a big way by the retail sales in the pharmacies. That subsidy would disappear in the price-cutting war that would be the result of any such Government action. Then, unless payment for N.H.S. dispensing were considerably and immediately increased, the nation would face the great hardship of losing a large percentage of its sources of supply for medicines, and many pharmacists and their employees would be forced to seek different employment. In the public interest and for his own sake, I would urge every pharmacist to write to his M.P. in order to ensure that he is made aware of the facts and of the dangers of the proposed change. This is urgent. Do not leave it to the chap down the road. Do it yourself, now. Later on may well be too late.

DOUGLAS F. S. MILES, *President*,
Croydon Pharmacists' Association.

Prescription Solutions

THE following are the interpretations of the prescriptions reproduced in last week's CHEMIST AND DRUGGIST (p. 89) as supplied by Mr. W. Haigh:

Tab Urolucosil (?) 108

Mist Senna Co 5i mane, Mitte 3x

60 cc Susp(ension) Chloromycetin
5i t.i.d.

Scill. Opiat Linctus P.I., Pot Brom.

Phenobarb, Syr Aurant, Tinct
Zingib, Aq. Chlorof.

Ung Iodi Denig 3i

Sod. Bic

Sod. Salicyl aa 3iii

Tr. Nuc. Vom 3ii

Tr. Chlorof et Morph 3ii

Aq. ad 3x

3ss t.d.s.

Syr. Aurant, Mist Gent Alk.

NEW YEAR RESOLUTIONS

A letter from a retail pharmacist

SIR,—The staff of my pharmacy had their usual laugh at my resolution to be less unpleasant to travellers. But how about one on not grumbling? I read again what I had written down sometime last year: "Miss L, You're a grumbler." That remark hurt, and I went over in my mind what had been regarded as grumbles.

1. It was April and I'd just paid a January account to a traveller whose firm had already sent two letters asking for the money. The first came before our own quarterly accounts had even been sent out, and I had protested that my own customers would walk out on me if treated in this way.

2. A new camera had just been unpacked. The price was reasonable and we could sell it easily, but the camera was clumsy to hold and had no cord for hanging it round the neck, so the customer would be forced to buy an expensive case to carry the camera comfortably. I had expressed the opinion that that was sharp practice.

3. Next a "special" traveller with goods in the car had a bonus scheme for a new indigestion tablet, advertising to start on ITV immediately. The line would not add to sales, but would displace something else, and I had remarked that it was only a financial speculation on the part of the manufacturer and not something to help customers and us.

4. A statement of fact that a new and expensive hair lacquer had an objectionable smell and possibly would not sell when advertising had stopped, and that made me hesitate in ordering.

There had been many more during the year ending with one on Christmas bazaars, but this was a grumble common to all trades, and hardly counted.

Four 1960 resolutions have already made a bad start:—

5. Why should I lose so much on containers? When sending in December prescriptions, I noticed that one doctor had sixteen requiring droppers (fourteen for nose drops and two for ear) and only two were marked "and dropper"? Should one say fourteen times "The doctor hasn't ordered a dropper and you need one—have you one at home or would you like to buy one?" or "sixpence for a dropper please" (definitely I hadn't the courage for that); or should one give a dropper

and say nothing, or lastly telephone the doctor and tell him of our losses on containers? One doctor or how many?

Phoning the doctor brings me to the next grumble:—

6. Why should I lose money on phoning, etc., because of others' errors?

Towards the end of an hour's rota on a half-day a prescription was given in with no quantity of mixture stated:—

R Pulv. sulphadiazin. gr. 1½; pulv. trag. co. gr. 1½; sod. bicarb., gr. 1; tinct. belladonn. m. 1½; tinct. opii camph., m.3; syr. tolu m. 10; aq. ad 3i.

Fortunately there was a reply to a phone call and just a message from the doctor "give 1½ fl. oz." (no apology). If the script was returned for endorsing, another loss on postage. Pin-pricks and not worth worrying over? But can one help it?

7. Must we always work so late on a Monday's rota? Many of the scripts are not urgent and make Monday night once a month a nightmare. Should one reconcile oneself to doing all (usually 70-90) or should publicity be given to the fact that chemists have already done a day's work and the late rota is for urgent needs.

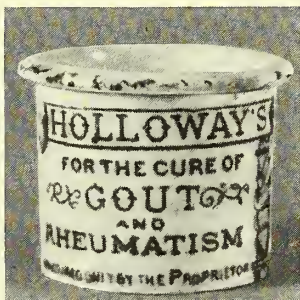
8. Yet another small financial loss, this time with an improved D.D.A. drug to order for a district nurse instead of injections kept for her and now dead stock.

Real troubles can be discussed with fellow chemists, and when one is "down" what a joy it is to have one of the staff put her head round the door and say "Never fear, Vicky's here." also the N.P.U. and C. & D. can be written to, and they help in many big ways, but one hesitates to send worries and express irritation and be regarded as a grumbler far and wide as well as at home. Still, better than have tobaccoconist and others thinking we've never had it so good! Better, too, to get on with the other resolution and partly solve it by writing out orders and cheques directly an advice card of a representative's visit is received. I will find the cards myself from among the heaps of invoices, statements and literature that had accumulated over Christmas and a rota week, anything to avoid a voice saying "Miss L— you are a muddler." I have had enough on resolutions!

V. E. LEWIS.

YESTERDAY'S COMMONPLACES

Collector's pieces of today



Left: Pill and ointment boxes of turned wood. Centre: A proprietary ointment jar; today the choice of container would probably fall on a collapsible tube. Right: Chip boxes, used until quite recently as containers for pills and ointments.

Lederle puts antibiotic therapy on a NEW high plane

UNIQUE *high ratio* ACTIVITY

the **EXTRA SECURITY** *of NEW*

Ledermycin[†]

DEMETHYLCHLORTETRACYCLINE † TRADEMARK

*entirely new broad-spectrum
antibiotic for prolonged
activity at lower dosage*

LEDERMycin demethylchlortetracycline is an "extra active" high ratio antibiotic derived from a strain of *Streptomyces aureofaciens* (the organism from which AUREOMYCIN[†] chlortetracycline and ACHROMYCIN* tetracycline originate) but with properties which set it way above other tetracyclines. As well as exerting the unsurpassed broad-spectrum action of tetracycline, LEDERMycin demethylchlortetracycline achieves far more intensive, far more prolonged activity, with far less antibiotic. Its markedly lower renal clearance rate, together with its higher stability, has the effect of prolonging its powerful antibacterial action for 24-48 hours after the drug is withdrawn.

HIGHEST RATIO of peak activity to daily intake of any known broad-spectrum antibiotic.

HIGHEST RATIO of sustained activity to dosage—giving "extra day" activity and protection against resurgence of primary infection or relapse with secondary invasion, after withdrawal.

HIGHEST RATIO of stability in body media to dosage bringing an even higher standard of consistency to the therapy.

Packing and basic N.H.S. cost:

In a distinctive duo-tone dry-filled capsule. Capsules of 150 mg. Bottles of 16: £1 9s.0d.; 100: £8 14s.2d.; and 1,000: £84 2s.4d. Average adult dose: 1 capsule 4 times daily.



LEDERLE LABORATORIES a division of CYANAMID OF GREAT BRITAIN LTD. London W.C.2



This 'stuffy nose'
sufferer couldn't breathe, smell or
taste — life had lost its savour. But
Neophryn with antihistamine' has lifted him
out of all that. There will be many more
like him this winter who will obtain welcome
relief with 'Neophryn with antihistamine'
— and now's the time to
make sure your stocks
are adequate.

**There
goes
another
satisfied
customer!**

Why with antihistamine?
The antihistamine in 'Neophryn with antihistamine'
counters the allergic factor which has been shown to be present
in many cases of the common cold. It also enhances the decongestant
action of Neophryn and, by its mild local anaesthetic
properties, soothes irritation of the nasal mucosa.

NEOPHRYN is a registered trade mark.

BAYER PRODUCTS LTD Kingston-upon-Thames · Surrey

Associated Exporting Co: **WINTHROP PRODUCTS LTD**





The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Action on Hinchliffe Report

THE Minister of Health has now considered the recommendations contained in the report of the Committee on the Cost of Prescribing which was under the chairmanship of Sir Henry Hinchliffe (see *C. & D.*, May 16, 1959, p. 526) and has been in consultation with the representatives of the medical and pharmaceutical organisations.

Details of the recommendations that were of particular concern to the Hospital Service have been issued to hospital committees. They include the references to the influence of hospitals and consultants on the prescribing of general practitioners and to the fact that there is an educational obligation on every consultant to exercise a proper economy in his own prescribing for hospital patients because of the influence that his prescribing has on students.

There is also the recommendation that it would be of help if consultants did not inform patients which drugs had been prescribed for them and if, "when answering letters from general practitioners and referring back their patients they recommended the B.P., B.P.C., or B.N.F. preparations whenever practicable."

The patient who considers he knows what is best is rarely a satisfactory one from either the prescribers' or dispensers' viewpoint but pharmacists who have been patients in hospitals are aware that secrets are difficult to keep in a hospital ward and it is probably more often a leakage of information from various ill defined sources rather than a direct reply from a consultant that provides the patient with details of the therapeutic agent.

The Minister also commends to the attention of boards and committees that they should consider the appointment of senior general practitioners to give instruction to junior hospital medical staff in the practical aspects of prescribing in general practice. We cannot but think that if this has not been done, the doctor entering private practice hitherto has done so very ill equipped and all teaching hospitals should hasten to remedy the defect.

Executive councils and local professional committees have been asked to consider how to implement the Committee's suggestion that general practitioners and retail pharmacists should be invited to discuss methods for improving professional collaboration. The committee were aware that there already existed professional co-operation between many prescribers and pharmacists and they considered that such collaboration could be extended with mutually beneficial results—"not the

least of which might be to reduce wastage of expensive drugs."

We wholeheartedly agree with the suggested collaboration; it would be of value to all concerned, not least the patients and the community. It would not be a case of each trying to tell the other his job but of two scientifically trained groups collaborating, in a manner often apparent in research groups when tackling a difficult problem. Each has its own special experience to contribute and in the interchange of ideas each would begin to more readily appreciate the problems of his colleagues. In those circumstances pharmacy must be the richer for the opportunity.

Losses Through Burglary

SINCE 1939 the rate for many indictable stealing offences has trebled; in the past ten years it has doubled, and the growth seems to continue. During that period the pattern of crime has also changed. The criminal today carefully plans his raids down to the last detail, and uses the latest mechanical devices to aid him against obstacles that have often not changed for half a century.

There was a time when the policeman "on the beat" acted as a deterrent; now an under-manned police force must tend to concentrate upon catching the criminal after the deed has been done, and the result is somewhat alarming. Figures from a recent report by the Commissioner of Police for London show that, after 14,061 offences for shop breaking and warehouse breaking recorded, there were only 3,267 arrests. It seems, therefore, that so long as things are made easy for the crooks they will be encouraged to continue their activities. That may seem to be far removed from pharmacy but in fact it is not. The stocks held by the average pharmacy may not be so attractive a proposition from the disposal point of view, as, say, cigarettes, nevertheless, from the reports we receive of the number of cameras (with or without identification numbers) and cosmetics stolen, there must be a ready market for those goods also.

If there is an answer to ending or minimising the number of raids it seems to be in making everything as difficult as possible for the burglar or shopbreaker. To leave expensive photographic equipment overnight in a window with only a piece of glass between it and the street is courting trouble. The goods should be taken out every night and put in a safe or locked cupboard. There are now devices which, either electrically or mechanically, record the entry of burglars or the tampering with a cupboard, etc. One such device is coupled by telephone to the nearest police station (in London the equipment dials 999) and the warning given. Those "silent sentries" include electronic beams, and there has been considerable progress in developing infra-red receivers and transmitters, which have a much greater range.

The last annual report of the Chemists' Mutual Insurance Co., Ltd. (see *C. & D.*, December 5, 1959, p. 503), stated that, although the claims paid on burglary account were less than in the previous year, they still accounted for a large proportion of the total outgoings, and "*it is obvious that such losses constitute a heavy risk in retail pharmacy.*"

We think it timely to draw attention to the new weapons now available and to suggest that, in their own interests, chemists should make a reappraisal of

their security arrangements. Insurance companies could (and may be glad to) give rebates on premiums where suitable equipment is specially installed; and since the problem is a national one the Government should give a subsidy in the form of tax or other relief towards the installation. After all, prevention is better than cure in other fields than medicine.

Overseas Trade in Pharmaceuticals, 1959

THE value of drugs, medicines and medicinal preparations exported from the United Kingdom during 1959 touched the 40-millions mark for the first time. That record total exceeded 1958 by £2.4 millions or a little over 6 per cent. against a 5 per cent. increase in the country's exports as a whole. A final spurt in December's exports of prepared medicines (£3.7 millions, the highest for any month except January 1959), was responsible for that improvement in a year which started

very well but had its ups and downs particularly during the summer months.

Australia with exports valued at £3.97 millions was by far the largest single market for Britain's pharmaceutical exports exceeding her 1958 total by over £½ million. Nigeria at £2.6 millions was also up by £½ million on 1958. The Irish Republic was Britain's third best customer at £1.9 million exceeding the previous year by £400,000. Exports to Canada showed a substantial rise while those to the United States were only slightly up on the previous year. The six Common Market countries increased their purchases to an aggregate of £2.6 millions from £2.4 millions, Italy at £728,000 taking the largest share. Of the countries within the European Free Trade Association purchases by Sweden, Denmark and Switzerland only amounted to £1.8 million against £1.7 million in 1958. From the accompanying tables it will be seen that most exported items for which statistics

are available were higher than the previous years' totals but penicillin continued to fall. Other exceptions were insulin and sulphonamides, while re-exports of prepared medicines fell to £450,000 from £750,000.

Imports of prepared medicines were less than one-half the 1958 value and was possibly accounted for, in the main, by fewer imports of poliomyelitis vaccine, although all the items that are declared namely, vitamins, antibiotics, alkaloids and proprietary medicines shared in the decline. Pharmaceuticals were still subject to a quota restriction when imported from the United States but a more liberalised policy is now in force and still further easing is expected shortly, so that we can foresee the possibility of a considerable rise in such imports in the coming year.

How British pharmaceutical manufacturers fared against their European competitors will not be known until their figures are published, but on the data so far available it would seem that 1959 has also been a record year for pharmaceutical exports in Germany and Switzerland. In the case of Switzerland there was an increase of 13 per cent. (against an increase of 9.6 per cent. in 1958 over 1957) and one large German producer said his turnover was up 22 per cent., nearly half of the turnover going to the export market.

Exports of chemicals in sections 5, 6, 7, 8 of the Standard International Trade Classification amounted to £293 millions or some £31.5 millions more than in 1958. Three countries, the Netherlands, Western Germany and the United States, each took British goods in that class to the value of over £11 millions.

EXPORTS	DECEMBER 1959	YEAR 1959	YEAR 1958
Drugs, medicines, medicinal preparations (total)	£ 3,748,155	£ 40,094,669	£ 37,646,225
Vitamins	176,205	2,692,291	2,509,598
Penicillin salts	54,733	1,104,352	1,573,519
Penicillin injections	55,700	568,351	663,880
Penicillin tablets, ointments, etc.	93,642	788,432	671,758
Antibiotics other than penicillin	674,988	5,407,975	5,428,643
Quinine	7,301	149,024	185,252
Alkaloids, excluding quinine ...	98,288	1,486,781	1,149,427
Aspirin	113,479	1,186,312	1,135,808
Antihistamines	47,561	535,959	459,343
Antipaludics	79,455	893,211	819,898
Barbiturates	51,764	581,741	559,001
Liver extracts	20,372	190,355	152,053
Ointments and liniments	153,188	1,337,346	1,196,151
Insulin	22,948	433,182	497,760
Sulphonamides, prepared	92,548	1,046,854	1,186,034
Proprietary medicines	1,105,564	11,673,413	10,514,530
Unclassified medicines	863,763	9,629,507	8,574,810
Glycerin	57,508	544,824	479,884
Acetone	33,771	391,971	531,489
Citric acid	54,068	562,674	475,601
Salicylates	15,941	165,072	180,519
Sulphonamides, unprepared	103,091	856,410	1,164,977
Perfumery and toilet preparations			
Lipstick, face powder, etc. ...	282,590	3,136,018	3,159,377
Dentifrices	174,476	1,990,795	2,138,648
Toilet soaps	285,920	3,048,865	2,889,489
Synthetic detergents	620,124	6,382,948	6,287,525
RE-EXPORTS	£	£	£
Drugs, raw	22,894	280,855	250,443
Medicinal and pharmaceutical goods	27,921	454,308	748,907
Essential oils	68,040	868,270	784,300
IMPORTS	£	£	£
Vitamins	31,189	338,187	880,638
Antibiotics	76,493	707,155	829,713
Alkaloids	84,187	748,644	501,691
Proprietary medicines	47,096	531,693	1,358,065
Unclassified medicines	84,630	2,062,414	6,277,396
Borax	72,367	1,069,509	1,011,625
Iodine	43,820	369,890	379,267
Menthol	13,884	370,458	255,191
Essential oils			
Bergamot	21,444	219,201	272,774
Citronella	47,895	207,661	198,696
Clove	6,845	71,077	51,535
Geranium	38,630	372,681	393,430
Lavender	50,395	382,124	156,052
Lemon	38,406	649,938	628,700
Orange	35,589	332,183	295,957
Peppermint	103,055	844,836	836,471
Unclassified	179,065	1,895,638	2,327,280
Tragacanth	35,707	459,175	407,434
Acacia	14,793	1,625,773	1,347,924
Ipecacuanha root	34,145	404,790	353,817

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Monthly meeting of Council

A POSSIBLE increase in the retention fee for members of the Pharmaceutical Society of Northern Ireland was indicated by a notice of motion submitted to the January meeting of the Society's Council. The motion, in the name of Mr. J. GORDON (chairman of the Finance Committee) proposes that the retention fee for pharmaceutical chemists should be increased from £2 2s. to £3 3s., that the fee for pharmaceutical chemists working outside the Province should remain at £2 2s., and that the associates' fee should be reduced to £1 1s. and that the fee for students should remain unchanged. Notice was given after the Council had discussed the Society's financial position.

Mr. W. GORMAN (secretary) reported that in September 1959 the Finance Committee had submitted a report to the Council, the conclusion of which was that the only source of income that varied greatly from year to year was examination fees and that the examinations were going to become a liability instead of an asset. Mr. Gorman said the December 1959 examination fees amounted to £699 and the expense of running the examinations was just under £600, leaving a profit of about £100. The Part I examination fees totalled £120 but the fees paid to the examiners amounted to £125. The charge for the use of the Belfast College of Technology, invigilating fees and other expenses resulted in a loss for the Part I examination of some £60. Mr. Gorman recalled that in 1956 new regulations were introduced which had had the effect of reducing the number of students entering pharmacy. In 1956-57, twenty-eight students had registered but after six Part I examinations only eighteen had passed; in 1957-58 sixteen candidates registered, eleven of whom had since passed, and in 1958-59 the figure was nine, five of whom had since passed. The total number of students entering pharmacy during the past three years was therefore fifty-three, thirty-six of whom had passed or seemed likely to pass the Part I examination—an average of twelve a year.

Income Deficit

Mr. Gorman said that from those figures it could be seen that unless the number of candidates who registered as students each year showed an increase, the expense of holding the Part I examination would not be covered by candidates' fees. He had come to the conclusion that there would be a deficit in the Society's income from year to year which would reach around £600 in about five years' time, when a new examination syllabus would be drawn up. Mr. Gorman reminded the Council that during the year ended August 31, 1959, expenditure exceeded income by £641 and the best that could be hoped for in the current year was a deficit of about £200. The point of his report was to help discussion on whether the retention fee should be increased and, if so, by how much.

Mr. H. W. GAMBLE asked if the Finance Committee had considered raising the retention fee for pharmaceutical-chemist members, though leaving it at the present rate for associates and/or pharmaceutical chemists working abroad.

Stating that there was a total of about 1,140 people on the register, including druggists, Mr. J. CALDWELL (president) said it was obvious that there would have to be an increase in the retention fee to "straighten out the finances."

Mr. GORMAN said there was a registration of about 1,000 in Northern Ireland.

Mr. W. H. BOYD then suggested the proposals embodied in the notice of motion and it was given in the name of Mr. Gordon. Mr. GORDON pointed out that retired pharmaceutical chemists in Northern Ireland would be at an unfair disadvantage to members resident abroad.

The financial report of the Northern Ireland Chemists'

Benevolent Fund for the year ended December 31, 1959, which was presented at the meeting, showed an excess of income over expenditure of £645. A total of £1,044 had been received during the year, including a £100 legacy from the late Mr. D. A. Taylor and £518 10s. from the president's 1959-60 appeal. Grants totalling £389 had been paid. The Fund's assets were £4,659.

Presenting the report from the board of examiners on the Society's December 1959 examinations, Mr. GORMAN said that of a total of twenty-nine candidates for the Part I examination only one had been absent. Thirteen passed, seven failed, three were referred in biology, four in chemistry and one in physics. The board recommended that eight candidates who had still one subject outstanding should attend a revision course, and that of the seven who had failed five should attend a revision course in all subjects. The examiners made no recommendations in the cases of the remaining two, one of whom had been making his third attempt, the other taking one subject for the fourth time. In the Part II examination there were seventy-one candidates, three of whom were absent. Twenty-six passed, twenty-nine failed and five were referred in pharmaceuticals, three in pharmacognosy, one in chemistry, three in forensic pharmacy and one in physiology. The board recommended that two who failed should be required to attend a one-year full-time course before attempting the examination again and that nine should receive warning letters that the standard of their answers was unsatisfactory and a decided improvement would be expected at the next examination.

Mr. Gorman said that one student—a young lady—had reached the gold medal standard. The Council agreed that Part I showed an improvement and the Part II results showed a good average.

The seal of the Society was impressed on the certificates of qualification of students who passed the December 1959 Final Part II qualifying examination and who were eligible to receive certificates.

An application from David James Trevor Wilson, Ontario, Canada, for the restoration of his name to the register was granted. Mr. Gorman said Mr. Wilson had gone to Canada some six years ago.

Accounts totalling £707 10s. were passed for payment.

Mr. Gorman said he had received £1 1s. from Dr. Caldwell on behalf of the East Belfast Medical Group, who had had the use of the Society's rooms, and that sum had been donated to the Benevolent Fund.

Mr. Gorman reported the death in December of Mr. Forrest, a former president of the Society. A letter of sympathy with Mrs. Forrest had been sent from the Society.

Mr. CALDWELL congratulated Mr. Gamble on his election as vice-president of Ulster Chemists' Association.

Others present were Messrs. A. Templeton, R. M. Watson, W. S. Hall, Walter C. Tate, H. C. Cooper, G. E. McIlhagger, W. P. Ewart, J. Kerr and Professor O. L. Wade. Apologies for absence were received from Messrs. S. E. Campbell, D. Moore, C. A. Quinn, H. F. Moore and W. J. Thornton.

NEW BOOKS

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STUDENTS and professional analysts will find this pocket-size volume of inestimable value. It provides tables giving data about the more usual volumetric solutions, indicators, etc., along with conversion tables and other useful information such as the density of alcohol-water mixtures.

ECHOES OF THE PAST

A REMEDY FOR A LAMENESS

*From The London Chronicle or Universal Evening Post,
July 1, 1760.*

In my letter published in your paper (Vol. VII, p. 554) I considered the case of a lameness from some violent strain, which produced such an extension of some of the muscles as rendered the part incapable of its easy and proper motion. I shall here give you my thoughts of a lameness resulting from a contrary state of the muscles affected, viz., such a fixed contraction of them, as renders the part they are connected with immovable. It may lead us into a right notion of the cause of this disease, if we consider, that every fibre, vessel, membrane, and muscle of the body, which is dry, rigid, contracted, and immoveable, becomes such through the want of particles of fluid in their interstices, sufficient to keep them in their natural state of distension and mobility, or moveableness. This want of fluid in their interstices (as I apprehend) is occasioned by a viscid state of the blood's

obstructions in the course of its circulation; and a deficient secretion of the lymph from it. The internal remedies I do not now take into consideration but it may be observed, that those outward applications are proper, which can fill the interstice of the contracted vessels and muscles, with such a fluid as will bring them to their natural distention, and render them duly distractile and moveable. I ordered the parts to be rubbed with egg liquor.

This egg liquor I advise to be made in the following manner, viz.:

Take the yolk of a new laid egg, let it be beaten with a spoon to the greatest thinness, then, by a spoonful at a time, add three ounces of pure water, agitating the mixture continually, that the egg and water may be well incorporated.

This liquor may be applied to the parts contracted cold, or only milk warm, by a gentle friction for a few minutes, three or four times a day.

This remedy I have since advised in like cases, and with the like happy success; and others to whom I have communicated it, have found the same advantage from it in such cases. Yours, &c., THE. LOBB.

PHARMACIES OF BRITAIN



THE PHARMACY AT 100 HIGH STREET, ETON

The pharmacy of W. Oldham at Eton, Berks, which in the 1880's was bow-fronted as in the illustration at left, took on its present appearance in the early 1900's. The building itself is about 250 years old, and is known to have been a pharmacy at least as far back as 1843, before which date it was probably the headquarters of a barber/apothecary. Prescription books dating from 1877 are still in the possession of the business, and among the names of customers within them are a fair sprinkling of now famous names.



THE PHYSICIANS IN CONTROL

A stage in the history of the apothecaries in Scotland

LAURENCE DOPSON

ALBEIT Chirurgeons may buy and sell Simples, as any Druggists or Merchants may do, and Compound such Druggs as are necessary for Chirurgical and external applications, yet that they cannot compound any Medicaments to be taken Internally by the Mouth."

That quotation from the judgment of the Court of Session in Scotland in 1682 appears in a petition, dated March 17, 1707, to "His grace Her Majesty's High Commissioner and the High and Honourable Estates of Parliament," which asks that the apothecaries of Edinburgh should not be allowed to serve medicines without calling in physicians.

The control of apothecaries' shops in Scotland's capital was the subject of a long and complicated dispute between what is now the Royal College of Surgeons of Edinburgh and the Royal College of Physicians. Dr. R. P. Ritchie in *The Early Days of the Royall Colledge of Phisitians, Edinburgh* (Edinburgh, 1899, at p. 30) notes indeed that it "indirectly led to the formation of a College of Physicians." Briefly, the inspection and control of apothecaries' shops was claimed by the surgeons, who were backed by the town council, with whom the surgeons were intimately associated.

Physicians' Privileges

"The physicians, on the other hand," states Dr. George Paterson (secretary of the College, 1848-50) in his manuscript "Abstract of the Minutes of the College," "anxious to indicate the privileges newly conferred on them and believing that chirurgery and pharmacy were not always best in combination, strove for a separation of the two callings and claimed to exercise the powers of initiation and inspection conferred in their Charter." To follow through the complicated legal story of that dispute would require considerable space; it is not without its human interest, as, for example, the way Sir Robert Sibbald accomplished an astute committee negotiation and public relations job in establishing the College and securing the charter, nor without implications beyond the bounds of pharmacy, for had there not been this dispute as to who should control the sale of drugs in Edinburgh in the seventeenth century the formation of the medical institutions might have taken a different turn.

In publishing the following extracts from manuscripts or printed documents of past centuries in the library of the Royal College of Physicians of Edinburgh, however, my intention has been not to take them in the context of the elaborate controversy of which they form part, but rather for the light which they throw upon practices and habits in pharmacy in the Scottish capital. Indeed their interest is not confined to pharmacy.

"*Edinburgh* is the place of common Concourse of the Nobility, Gentry, Merchants and others, from other parts of the Kingdom, without having a constant Residence here," states the "overture of an Act concerning the Apothecaries in Edinburgh." That Edinburgh was such a centre of transient population in the early eighteenth century may not be always realised. It is a thriving picture.

"The very first alledgeance of the Chirurgeon Apothecaries is that the Apothecaries are no *Trade*, have no *Seal of Cause*; and any *Black-Smith* who is a *Burgess*, and willing to undergo a Tryal may be an Apothecary." Social attitudes can be detected in analogies of this kind (from a "Particular Condescendence on some parts of the Decreet [of the Court of Session], 1682"); yet later a blacksmith was to found the Royal Dick Veterinary College in Edinburgh which bears his name. It will be noted that there is

no association between apothecaries and grocers in Edinburgh as there was in London.

"As *Pharmacy* in its own nature is distinct from Chirurgery; and by our Law no man is to exercise *two Trades*," states a "Representation for the Apothecaries of Edinburgh against the Act presented by the Chirurgeons," "So by the *Customs of this Burgh* Apothecaries stood by themselves, and Chirurgeons kepted their own employment, till the year 1657."

"That year two Chirurgeons, who had been much employed in the Army, and had great influence, got an Act of the Town Council, *conjoyning* both employments, and making a new Heterogenous Composition, called *Chirurgion-Apothecaries*. But the Lords did most justly in anno 1682, Separate the Employments. . . .

"For how can the same person *qua Apothecary* be in his Shop ready to Answer, in a *Moment*, the nicest orders of Physicians; as the Masters ought to do, and not commit our Health or Lives to Boyes: and at the same time *qua* Chyrurgeon be necesarily *absent* in the remotest parts of the City or Country, for doing manual Operations and giving *personal Attendance* which will not suffer *delay*?"

The Act of the Town Council of Edinburgh, in 1657, in favour of the "Chirurgion-Apothecaries," referred to above, laid it down: ". . . The Bailies one or more for the time, with the Dean of Gild, and two or more of the Apothecaries and Chirurgion-Apothecaries, and their foresaids to be Nominat and appointed be the Council, being Persons of most approved Integrity and Skill, shall from time to time visit the sufficiency of all sort of Drugs within this Burgh and Liberties thereof: and seize upon such Drugs as they shall find insufficient, and report the same to the Council, whereby the havers and users thereof, may be Condignlie punished in their Persons and Estates, according to the Quality of their Fault, and their Fines and Penalties to the use of the good Town."

The power of inspection of the shops of apothecaries and druggists was conferred on the Royal College of Physicians by their charter of erection of 1681, which is published in full, together with the charter of ratification of 1685 which dealt particularly with this point, in the *Historical Sketch and Laws of the Royal College of Physicians of Edinburgh* (Edinburgh, 1925).

A "Remitt" from the Privy Council

It is interesting to find in the early Minutes of the College (April 28, 1682) a "remitt" from the Privy Council. "for examing and inquiryeing anent James Aikendhead apothecary and his servant his alleadged composing vending and selling of poysonous tabblets. . . . The Defer and his servant being present, the Defender gave in under his hand ane note yrof the said tablett was made, which he was in use to sell as a Vomitur tablett. . . ."

Nowadays the College does not meet in the month of August. Not so in the more robust times. The minutes of August 25, 1701, and of August 30, 1705, direct the President and Censors to visit the Apothecaries' shops.

A committee appointed on January 29, 1706, reported on February 25. "The said day the Colledge having heard the Reporte from the Comittee anent visiteing of the Apothecaries' Shops, Recommend to the President and Censors to visite the said shops alsoone as they can conveniently with the concurrence of a Magistrat and such tuo apothecaries as shall be appoynted to goe alongst with them."

Unfortunately there is not preserved at the Royal College

of Physicians of Edinburgh, as there is at the Royal College of Physicians of London (fortuitously preserved for examination) any of the detailed reports on individual shops.

By the 1730's, as C. G. Drummond points out ("Pharmacy and Medicine in Old Edinburgh," London, 1953, p. 7), "that separate identity which has characterised medicine and pharmacy in the capital, seems to have emerged."

Yet two further flashbacks in time show how essentially modern were the problems facing pharmacy even before it thus acquired its present form. "Inquiry ordered into com-

plaint of sale by Stationers and Merchants of Pills and Elixirs which had had dangerous effects," record the Minutes of the Royal College of Physicians on February 6, 1682. And the shades of the Restrictive Practices Court are surely not entirely absent from this further paragraph in the "Representation for the Apothecaries of Edinburgh" previously quoted: "For the sole Exercise of Pharmacie being the Apothecaries *property* Established by all the Authorities in the Nation: It cannot be taken away from them now since."

A "BABY CORNER" AT KEYNSHAM

Speedy success of a pharmacy layout change

IN an article "How to Run a Baby Corner," published in the *C. & D.*, October 24, 1959, some of the points that a mother looks for when she enters a chemist shop to cater for her baby's needs were outlined. Messrs. G. H. Bevan and A. E. Clarke, joint owners of Mills & Mills, chemists, 37 High Street, Keynsham, have endeavoured to provide all those facilities in order to please the mothers who visit their shop every week, and whose purchases represent a high proportion of the turnover of the business.

The Customer

Because mothers leave their prams outside the shop, the baby items have been strategically situated near the door, and, in fact, the two units shown in the illustration are just inside the door on the right. Mothers like to have freedom of choice, and baby foods and requisites are items of merchandise that lend themselves to self-selection. In the past, those baby items were displayed at different points in the pharmacy, which has entailed the mothers going to several purchasing points and dealing with a number of assistants. The new fixtures (made by S. I. Myers) have brought self-selection to Mills & Mills, but the additional service of personal attention, interest and advice has not been over-

looked. An assistant is always on hand when a customer is seen to be studying the baby department. Just out of sight of the picture are situated a baby scale and weight cards, which are an essential service to the mother. The clear signposting: "Baby Foods, Baby Requisites," attracts the mother's attention immediately.

Cost and Advantages

What has been the cost involved, and what have been the advantages? First, the cost of the two fixtures, which are in a fine quality polished wood, was £44. That was quite an investment, but the fixtures had to tone in with the rest of the fittings. Similarly constructed fittings are understood to be available at a range of prices.

The advantages of setting up this baby department have been:

1. an increase in turnover of 15-20 per cent. on baby items during the six months that this has been in operation.
2. a higher rate of impulse purchases, caused by the grouping together of all baby items, foods, requisites, etc.
3. a saving in staff time in attending to the customer. The customer visits one point of purchase and is attended to by one assistant.
4. saving in space where baby items used to be displayed in the past, which has resulted in an increase in turnover on these other departments in the store, who now have more display space.
5. extra profitability in the store by utilising space which before had not been used.
6. a saving in servicing the fixtures, as the items are laid out on the shelves with stock relative to sales.

At the time the photograph was taken, new price tickets were awaited. They are to be affixed to the edge of the shelves, and are themselves an asset in self-selection as well as an aid to the staff.

Shelf-stocking

In the display of the range of strained and "junior" foods of a single manufacturer, it is to be noted, though not obvious in the picture owing to its comparatively small size, that careful attention has been paid to grouping the products into "vegetables," "meats," "sweets," etc., making maximum use of variety name tags and shelf dividers. Those adjuncts not only keep stock tidy but allow the varieties to be displayed in ratio of sale, making full use of the shelf space available.

The outcome is a way of handling baby needs that has quickly proved itself successful. Babies today represent a vital market with nearly 750,000 new consumers every year. At any one time there are in Britain over 1½ million babies at an age to eat the various types of baby foods on the market. The investment of £44 on new fixtures has been repaid many times over, and the young mothers who visit the pharmacy have been stimulated by the ease of shopping which they now enjoy.



INTERNATIONAL NON-PROPRIETARY NAMES

Recommendations by World Health Organisation

(Concluded from THE CHEMIST AND DRUGGIST, January 16, p. 72)

Recommended Names	Chemical Name or Description	Recommended Names	Chemical Name or Description
oestradioli benzoas	3-benzoyloxy 17 β -hydroxyoestra-1,3,5(10)-triene	prodeconium bromide	methyl-2,13-dioxate-tradecane-1,14-diammonium dibromide
oestradiol benzoate	3,17 β -dihydroxyoestra-1,3,5(10)-triene		3,20-dioxopregn-4-ene
oestradiolum			N ¹ -4-chlorophenyl-N ³ -isopropylidiguanide
oestradiol			2,2-diisopropyl-4-hydroxymethyl-1,3-dioxolane
oestronum	3-hydroxy-17-oxoestra-1,3,5(10)-triene		
oestrone			3-diethylamino-1-phenylpropyl benzoate
oleandomycinum	an antibiotic substance obtained from cultures of <i>Streptomyces antibioticus</i> , or the same substance produced by any other means		2-propionamido-1,3,4-thiadiazole-5-sulfonamide
oleandomycin	an antibiotic substance obtained from cultures of <i>Streptomyces ostreogriseus</i> , or the same substance produced by any other means		2-diethylaminoethyl 4-amino-2-propoxybenzoate
ostreogrycinum	2-(2-diethylaminoethoxy)ethyl α -ethyl- α -phenylbutyrate		1-cyclohexyl-2-methylaminopropane
ostreogrycin	6-methoxy-8-(4-diethylamino-1-methylbutylamino)quinoline salt of 2,2'-dihydroxy-1,1'-dinaphthylmethane-3,3'-dicarboxylic acid		10-(3-dimethylaminopropyl)-9-thia-4,10-diazaanthracene
oxeladinum	N-[N-(5-cyano-5,5-diphenylpentyl)-N'-dimethylammoniummethyl]-N-methylmorpholinium dichloride		β -diethylaminoethyl 3-amino-4-propoxybenzoate
oxeladin	8-(5-isopropylamino-pentylamino)-6-methoxyquinoline		dimethylcarbamic ester of 1-methyl-3-hydroxypyridine
pamaquinum	pentamethylene-1,5-tetrazole		6-dimethylamino-2-[2-(2,5-dimethyl-1-phenyl-3-pyrryl)vinyl]-1-methyl-quinolinium chloride
pamaquin	1,5-(1,1'-dimethyl-1,1'-dipyrrolidyl)pentane		1-(2-dimethylaminoethoxy)-3-butyloquinoline
pentacynii chloridum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		($\pm$)-3-methyl-2,2-diphenyl-4-morpholinobutylpyrrolidine
pentacynium chloride	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		methyl 1 α ,2 β ,3 α ,4,4 α ,5,7,8,13,13 β ,14,14 α -dodecahydro-2 α ,11-dimethoxy-3 β -(3,4,5-trimethoxycinnamoyloxy)-benzo[g]indolol[2,3- α]quinolizine-1 β -carboxylate
pentaquinum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		or
pentaquin	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		3,4,5-trimethoxycinnamic acid ester of methyl reserpate
pentetrazolum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		methyl 1 α ,2 β ,3 α ,4,4 α ,5,7,8,13,13 β ,14,14 α -dodecahydro-2 α ,11-dimethoxy-3 β -(3,4,5-trimethoxycinnamoyloxy)-benzo[g]indolol[2,3- α]quinolizine-1 β -carboxylate
pentetrazol	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		or
pentolonium	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		3,4,5-trimethoxybenzoic acid ester of methyl reserpate
pentolonium	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pentoxiverinum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		6,7-dimethyl-9-(D-1'-ribityl)isoalloxazine
pentoxiverine	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		5-allyl-5-(1-methylbutyl)barbituric acid
petrichloralum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		mono ester of oleic acid and tripolyethyleneglycol 100 sorbitan ether
petrichloral	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		mono ester of oleic acid and tripolyethyleneglycol 300 sorbitan ether
phenacetinum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		an antibiotic substance obtained from cultures of <i>Streptomyces ambifaciens</i> , or the same substance produced by any other means
phenacetin	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		1,2-bis-(4-amidinophenyl)-ethylene di-(2-hydroxyethane)-sulfonate
phenazonum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		enzyme obtained from cultures of various strains of <i>Streptococcus hemolyticus</i> and capable of hydrolysing desoxyribonucleoproteins
phenazone	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		co-enzyme obtained from cultures of various strains of <i>Streptococcus hemolyticus</i> and capable of changing plasminogen into plasmin
phenaglycodolum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		an antibiotic substance composed of several related components obtained from cultures of <i>Streptomyces variabilis</i>
phenaglycodol	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		2-(N ⁴ -3-carboxypropionylsulfanilamido)thiazole
phenamazolum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		2-sulfanilamidopyrimidine
phenamazoline	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		sodium derivative of 2-sulfanilamidopyrimidine
phenobarbitalum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		N ¹ -(3,3-dimethylacryl)sulfanilamide
phenobarbital	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		N ¹ -amidinosulfanilamide
phenobarbitalum natricum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		2-sulfanilamido-4-methylpyrimidine
phenobarbital sodium	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		sodium derivative of 2-sulfanilamido-4-methylpyrimidine
phenobutidolum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		4-aminophenylsulfonamide
phenobutidol	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		N ¹ -(4-isopropoxybenzoyl)sulfanilamide
phenoxybenzaminum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		disodium 3,3'-diamino-4,4'-dihydroxyarsenobenzene-N,N'-bismethylenebisulfite
phenoxybenzamine	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		2-sulfanilamidothiazole
phenoxyethylpenicillinum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenoxyethylpenicillin	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenylhydrargyri boras	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenylmercuric borate	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phensuximidum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phensuximide	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenythilinum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenythilone	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenyltoloxaminum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenyltoloxamine	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenytoinum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phenytoin	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phthalylsulfamethizolum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
phthalylsulfamethizole	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pimetremidum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pimetremide	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pipenzolati bromidum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pipenzolate bromide	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
piperazini calcii edetas	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
piperazine calcium edcate	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
piperidolatum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
piperidolate	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pipradrolum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pipradrol	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
polymyxinum B	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
polymyxin B	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pramocainum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
pramocaine	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
prednisololum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
prednisolone	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
prednisonum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
prednisone	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
probenecidum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
probenecid	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
prochlorperazinum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
prochlorperazine	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
prodeconii bromidum	2-(2-diethylaminoethoxy)ethyl 1-phenyl-cyclopentane-1-carboxylate		
		riboflavinum	
		riboflavino	
		secobarbitalum	
		secobarbital	
		sorbimacrogoli oleas 100	
		sorbimacrogoli oleate 100	
		sorbimacrogoli oleas 300	
		sorbimacrogoli oleate 300	
		spiramycinum	
		spiramycin	
		stilbamidini isethionas	
		stilbamidine isethionate	
		streptodornasum	
		streptodornase	
		streptokinase	
		streptokinase	
		streptovarycinum	
		streptovarycin	
		succinylsulfathiazolum	
		succinylsulfathiazole	
		sulfadiazinum	
		sulfadiazine	
		sulfadiazinum natricum	
		sulfadiazine sodium	
		sulfadiazinamide	
		sulfadiazinamide	
		sulfaguanidinum	
		sulfaguanidine	
		sulfamerazinum	
		sulfamerazine	
		sulfamerazinum natricum	
		sulfamerazine sodium	
		sulfanilamidum	
		sulfanilamide	
		sulfaproxylinum	
		sulfaproxyline	
		sulfarsphenaminum	
		sulfarsphenamine	
		sulfathiazolum	
		sulfathiazole	

Recommended Names	Chemical Name or Description	Recommended Names	Chemical Name or Description
suspensio insulini cum zinco (composita)	a sterile buffered mixture of insulin zinc suspension (amorphous) (30 per cent.) and insulin zinc suspension (crystalline) (70 per cent.)	tolbutamidum	<i>N</i> - <i>p</i> -tolylsulfonyl- <i>N'</i> - <i>n</i> -butylcarbamide
insulin zinc suspension (compound)		tolbutamide	
suspensio insulini cum zinco (amorphi)	a sterile buffered suspension of the amorphous form of insulin with zinc chloride	tolonii chloridum	3-amino-7-dimethylamino-2-methylphenazathionium chloride
insulin zinc suspension (amorphous)		tolonium chloride	sodium toluene-4-sulfonylchloramide
suspensio insulini cum zinco (crystallisi)	a sterile buffered suspension of the crystalline form of insulin with zinc chloride	tosylchloramidum natricum	
insulin zinc suspension (crystalline)		tosylchloramide sodium	2,4,6-tri-(ethylencimino)-s-triazine
testosteronum		tretaminum	
testosterone		tretamine	
tetrabarbitalum		tolpronium	1-(1,2,3,6-tetrahydropyridino)-3- <i>o</i> -toloxyloxypropan-2-ol
tetrabarbital		tolpronine	(+)-1-(3-cyclohexyl-3-hydroxy-3-phenylpropyl)-1-methylpyrrolidinium chloride
tetracainum		tricyclamoli chloridum	3-diethylamino-1-phenyl-1-cyclohexyl-1-propanol ethochloride
tetracaine		tridihexethyli chloridum	1,2,5-trimethyl-4-phenyl-4-propionoxypiperidine
tetracyclinum		tridihexethyl chloride	
tetracycline		trimeperidinum	(+)-4,6-dibenzyl-5-oxo-1-thia-4,6-diazatricyclo [6:3:0:0':'] undecanium (+)-camphorsulfonate
		trimeperidine	
		trimetaphani	
		camphorsulfonas	
		trimetaphan	
		camphorsulfonate	
		triprolidinum	
		triprolidine	
		tryparsamidum	
		tryparsamide	
		vancomycinum	
		vancomycin	
		verazidum	
		verazide	
		zoxazolaminum	
		zoxazolamine	
tetryzolinum			
tetryzoline			
thenalidinum			
thenalidine			
thialbarbitalum			
thialbarbital			
thiopentalum natricum			
thiopental sodium			
thiotetrabarbitalum			
thiotetrabarbital			

AMERICAN LISTED DRUGS

FLUOROMETHOLONE (Oxylone). — *Chemically:* 9a-Fluoro-11 β ,17a-dihydroxy-6a-methyl-1,4 pregnadiene-3,20-dione. A glucocorticoid approximately forty times as potent, weight for weight, as hydrocortisone when applied to the skin (equipotent orally). Typically of value in the treatment of acute or chronic dermatoses of allergic origin and associated with pruritus. Topical use of the drug on infected skin is combined with anti-infective therapy. Available as a 0.025 per cent. topical cream. Data supplied by Upjohn Co.

HEPARIN POTASSIUM (Clarín). — The potassium salt of heparin standardised in terms of the international unit, equivalent to 7.7 microgm. (0.0077 mgm.) of heparin sodium standard. Proposed as an adjunct in the management of atherosclerosis and administered as sublingual tablets each containing 1,500 i.u. In the doses usually employed there is no demonstrable effect on clotting time. Proposed dosage is 1,500 i.u. three times a day after meals. Data supplied by Thos. Lemming & Co., Inc.

METHSUXIMIDE (Celontin). — *Chemically:* N,2-Dimethyl-2-phenylsuccinimide, a drug chemically and pharmacologically related to phen-suximide, and has anticonvulsant properties. About 30 per cent. of patients experience undesirable side effects, and a look-out needs to be kept for the possible renal or hepatic damage. Dosage is individual but 300 mgm. may be given daily and if necessary increased over several weeks to a maximum of 1.2 gm. daily. Available as 300 mgm. capsules. Data supplied by Parke, Davis & Co.

METHYLPREDNISOLONE SODIUM SUCCINATE (Solu-Medrol). — *Chemically:* Sodium 6a-methylprednisolone-21-succinate. Also duplicates the metabolic and anti-inflammatory action of methylprednisolone. For emergency use the intravenous route is preferred. Usual dose 40 mgm. For intravenous infusion a solution of 40 mgm. in 1 mil of sterile diluent is diluted with 5 per cent. dextrose in water and isotonic saline, or isotonic saline alone, and administered by slow drip. Available as 40 mgm. of powder with 1 mil of sterile diluent. Data supplied by Upjohn Co.

FERROUS FUMARATE (ferrous fumarate, Firon, Fumiron, Haemoton, Toleron). — An anhydrous salt of a combination of ferrous iron and fumaric acid, containing 33 per cent. by weight of iron. Employed clinically for the treatment of iron-deficiency anaemia. May be expected to produce an adequate rise in haemoglobin levels. Is well tolerated and has

a low acute toxicity. Contraindicated in peptic ulcer, regional enteritis and ulcerative colitis. Dose: For adults usually 200 mgm. three to four times a day. Available as 200-mgm. and 324-mgm. tablets. Data supplied by Mallinckrodt Chemical Works.

METHYLPREDNISOLONE ACETATE (Depo-Medrol). — *Chemically:* 6a-Methylprednisolone-21-acetate, a compound that shares the actions and uses of methylprednisolone. A single intramuscular dose of 40–120 mgm. may be given weekly. For dermatological conditions local injections of 20–60 mgm. are employed and for intra-articular injection the dose may be: For large joints, 20–80 mgm.; elbow and wrist, 10–40 mgm.; smaller joints, 4–10 mgm. For conditions such as tendinitis, bursitis, or epicondylitis, a single injection of 4–30 mgm. may be used and repeated as required. Available as injection suspension of 40 mgm. in 1 mil and 200 mgm. in 5 mls. Data supplied by Upjohn Co.

SULPHADIMETHOXINE (Madribon, Madriqid). — *Chemically:* N'-(2,6-Dimethoxy-4-pyrimidyl) sulphanilamide. — 2,4-Dimethoxy-6-sulphanil-amido-1,3-diazine. Resembles other sulphonamide derivatives in its antibacterial properties but provides more prolonged blood levels because of its slower renal excretion. Dosage is based upon 2 gm. initially followed by 1 gm. daily, giving peak blood levels in 4–8 hours. Fluid intake should maintain a daily output of 1 litre of urine. Side effects are similar to those associated with the sulphonamide drugs generally. Available as 125-mgm. capsules; 500-mgm. tablets; and oral suspensions of 50, 50 mgm. and 250 mgm. per mil. Data supplied by Hoffmann-La Roche, Inc.

METHYLGLUCAMINE DIATRIZOATE (Cardiografin, Gastrografen, Renografin). The N-methylglucamine salt of 3,5-diiodo-2,4,6-triiodobenzoic acid, is a radiopaque, water-soluble organic iodine compound used as a roentgenographic contrast medium. Sodium diatrizoate is sometimes added to adjust the pH of solutions. The material used is contraindicated in severe hepatic or renal disease, hyperthyroidism or tuberculosis. It is available as a 76 per cent. solution for oral use; as parenteral solutions of 60 per cent. in 25-mil ampoules, 76 per cent. in 20-mil ampoules, and 85 per cent. in 50-mil ampoules; and for intracavitary use as a 30 per cent. solution in 50-mil ampoules. Data supplied by E. R. Squibb & Sons, division of Olin Mathieson Chemical Corporation.

CHLOROQUINE PHOSPHATE. — Uses include chronic discoid lupus erythematosus and rheu-

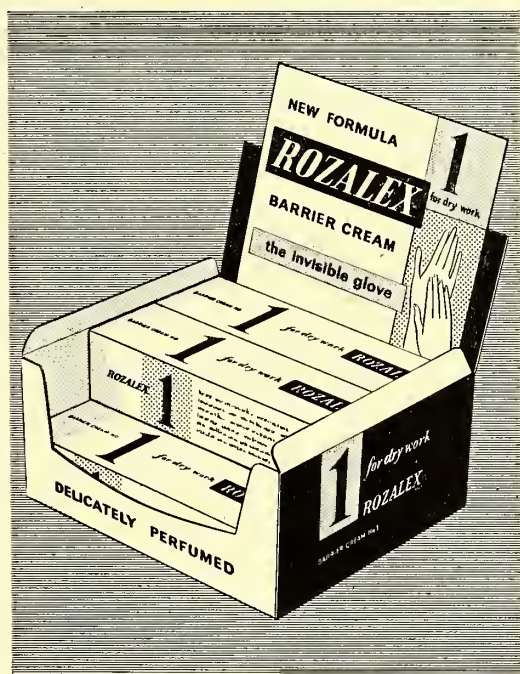
matoid arthritis. Use of the drug is disseminated or systemic lupus erythematosus is controversial, though 60/100 patients with chronic discoid form of the disease are known to have exhibited remission of symptoms or marked improvement. In about 10 per cent. of patients administration may be accompanied by side effects varying from headache, pruritus, and visual disturbances to skin reactions. Periodic blood cell counts should be made. Treatment is based upon an oral dosage of 250 mgm. daily until maximum benefit occurs. Relapse after withdrawal requires reinstitution of treatment at that dosage level. Initial dosage in disseminated lupus erythematosus is 25–50 mgm. on alternate days, increased according to tolerance. Data by Winthrop Laboratories.

TRICLOBISONIUM CHLORIDE (Triburon chloride). — *Chemically:* N,N'-Bis[1-methyl-3-(2,2,6-trimethylcyclohexyl)propyl] - N,N' - dimethyl-1,6-Lexanediamine bis (methochloride), a bis-quaternary ammonium antibacterial agent, topically applied for the management of superficial skin infections and vaginitis. Susceptible organisms include some resistant to commonly employed antibiotics: *Staphylococcus pyogenes*, var. *aureus*; *Streptococcus pyogenes*; *Diplococcus pneumoniae*; *Listeria monocytogenes*; and *Salmonella typhi*. In higher concentrations it inhibits *Pseudomonas aeruginosa*; some fungi; and *Trichomonas vaginalis*. Subject to further clinical experiments the compound is considered a useful adjunct in the management of superficial infections of susceptible organisms. Available as a 0.1 per cent. cream for topical and vaginal use and as a topical ointment 0.1 per cent. Data: Hoffman-La Roche, Inc.

TRIMEPRAZINE TARTRATE (Tenant). — *Chemically* 10-(3-dimethylamino-2-methylpropyl) phenothiazine tartrate. Structurally and pharmacologically related to promazine. In low dosage the drug has an antipruritic activity more pronounced than its other effects. The action is not related to its histamine antagonism nor its tranquillising or sedative actions. Daily dosage: adults is 2.5 mgm. four times daily or 5 mgm. in a sustained release capsule every twelve hours. Resistant cases may require up to 40 mgm. daily. For children below 2 years, 1.25 mgm. at bedtime or if necessary three times a day. Children 2–12 years, 2.25 mgm. at bedtime or if necessary three times a day. For children up to 2 years, maximum daily dose is 5 mgm. and 2–12 years, the maximum dose is 10 mgm. Available as a sustained-release capsule, 5 mgm.; as a syrup, 0.5 mgm. per mil; and as 2.5 mgm. tablets. Data: Smith, Kline & French Laboratories.

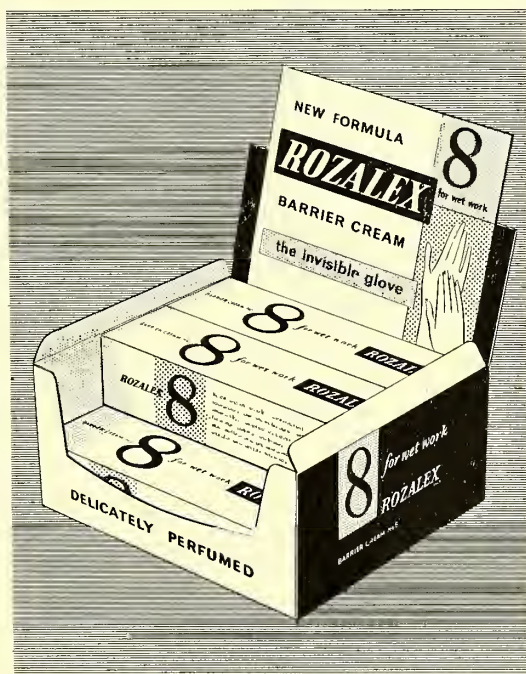
PERFUMED ROZALEX -THAT'S NEWS!

Rozalex Barrier Creams are now delicately perfumed. That's the big news housewives—your customers—are reading about in advertisements in their favourite magazines that announce the new perfumed Rozalex—with the new improved formula in the smart new pack. New Rozalex is packed in bright attractive display outers holding 6 tubes.



NO. 1
FOR
DRY
WORK

NO. 8
FOR
WET
WORK



Dressed in a smart new PINK tube **Retails at 2/6**

In a new YELLOW tube **Retails at 2/6**

The Trade discount is 30%

SPECIAL INTRODUCTORY OFFER !

Until 14th March 1960 we offer you 12 tubes of new Rozalex for the price of 11, (on all orders for a dozen or more tubes of one type)

From your usual wholesaler, or direct from **Rozalex Limited, 10 Norfolk St., Manchester, 2**
(minimum quantity for direct orders—6 dozen tubes of one type)

R118



Important news for Mothers

As from the 1st of February the retail price of S-M-A,
the complete trouble-free infant food, is

reduced to **7s 9d** per tin

Your price will now be only 6s 3d per tin or 74s 4d per dozen.

Reduced prices will mean more sales,
which in turn will mean more profit for you.

S M A

TRADE MARK

for trouble-free mixing • trouble-free feeding • trouble-free growth

Available in 1 lb tins – nitrogen sealed so they are always fresh.

John Wyeth & Brother Limited, Clifton House, Euston Road, N.W.1.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JANUARY 27: The slightly better tone in the CRUDE DRUGS market noted in last week's report was maintained with prices steady in most sectors.

Among SPICES, however, the high rates for GINGER were not maintained. Jamaican was down by 5s. per cwt. and Cochin by 10s. There were fluctuations in PEPPER and all varieties closed the week easier. MENTHOL remained firm at previous levels. Whilst spot AGAR was unchanged quotations for shipment moved up a further fourpence-halfpenny per lb.

Among ESSENTIAL OILS, CITRONELLA advanced by threepence per lb. for both Ceylon and Formosan oil. Paraguay PETITGRAIN moved up sixpence per lb. for shipment. Lower per lb. were Madagascar CLOVE-LEAF by threepence and LEMONGRASS for shipment by three-halfpence.

Among PHARMACEUTICALS, PARALDEHYDE advanced by about sixpence per kilo. ZINC OXIDE was £2 per ton lower.

Imports

From the Trade and Navigation Accounts for 1959 just published (see p. 118), it appears that 68 tons of ipecacuanha were imported during 1959, with a c.i.f. value of £405,000 (against 58 tons valued at £354,000 in 1958). Although there was a scarcity of raw opium throughout the year more was imported than in 1958; 186 tons against 163 tons. Imports of lavender oil went up to 494,000 lb. against 79,500 lb. All other essential oils showed an increase apart from peppermint, geranium and bergamot. Re-exports of essential oils at £868,000 compared with £784,000 in 1958.

Pharmaceutical Chemicals

ACETIC ACID.—B.P. glacial, 10-ton lots, £112 per ton naked; technical (80 per cent.), £97. Carboys are £8 and demijohns, £10 per ton extra. Single carboy lots, 1s. 8d. per lb. (3s. 8d. per kilo).

ALCOHOL.—Fourteen-lb. lots, 31s. 6d. per lb.

p-AMINOSALICYLIC ACID.—SODIUM, 20s. per kilo for 1,000-kilo lots.

BENTONITE.—B.P. about £70 per ton.

BENZYL BENZOATE.—B.P. in 1-ton lots, 4s. 6d. per lb.

BISMUTH SALTS.—Prices (per lb.) in largest bulk packages:—

	28 lb. to 1 cwt.	1 cwt.	5 cwt.
	s. d.	s. d.	s. d.
CARBONATE ..	22 3	21 9	21 4
SALICYLATE ..	21 9	21 4	20 10
SUBGALLATE ..	21 1	20 8	20 2
SUBNITRATE ..	20 5	20 0	19 6

BORAX.—B.P. grade, 1 ton and upwards; Granular, £56; crystals, £59 10s.; powder, £60 10s.; extra fine powder, £61 10s. per ton, all in hessian sacks. Commercial from £46 to £52 10s. per ton, as to type and packing. Dehydrated borax is £70 per ton in paper-lined hessian bags or £69 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5 cwt., 1s. per cwt.; 3 cwt. 2s.; 1 cwt., 3s.

BORIC ACID.—B.P. grade in 1 ton and upwards (per ton): Granular, £91; crystals, £99; powder, £96 10s.; extra-fine

powder, £98 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical from £77 to £86 10s. per ton according to type and packing.

BRUCINE.—ALKALOID and SULPHATE, 100-oz. lots, 10s. 6d. per oz.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £33 per ton in free bags, ex works.

CALCIUM CHLORIDE.—B.P. crystals, 1s. 3½d.; granulated, 10½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE.—Three-cwt. and upwards, 3s. 6d. per lb.; 1-2 cwt., 3s. 7d.

CALCIUM PANTOTHENATE.—£8 per kilo.

CALCIUM SUCCINATE.—10s. 6d. to 12s. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CHALK.—Prepared powder B.P., £22 per ton for minimum 1-ton ex works.

CHINIOFON.—B.P. 1948, 67s. per kilo; 50-kilo lots, 62s. 6d. per kilo. The sodium derivative (B.P. 1953), 99s. 4d. and 92s. 9d. for the same quantities.

CHLOROCRESOL.—Pharmaceutical quality, 7s. 2d. per lb. (1-cwt. lots).

CHLOROXYLENOL.—B.P., 5s. 3d. per lb. for 1-cwt. lots; 5s. 1d. for 10-cwt.

CORTISONE.—One-kilo lots, ACETATE, 12s. 9d. per gm. HYDROCORTISONE ACETATE or ALCOHOL, 13s. 9d. per gm.

CREAM OF TARTAR.—Home trade:—1-ton lots, 241s. per cwt.; 10-cwt., 242s.; 5-9-cwt., 243s.; 2-4-cwt., 244s.; 1-cwt., 245s. (If supplied in bags deduct 5s.).

CREOSOTE.—B.P. quality, ex beechwood, from 6s. 9d. to 7s. 6d. per lb.

CRESOL.—B.P. quality, 7s. 9d. per gall. in 5-gall. lots.

FORMALDEHYDE.—B.P. solution, 1-4-drum lots, £39 15s. per ton; 5-drum lots, £38 15s. per ton.

GLYCEROPHOSPHATES.—Per lb. in 1-cwt. lots:—ACID, B.P.C., 20 per cent., 4s. 7d.; CALCIUM, soluble, B.P.C., 12s.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 27s.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent., B.P.C., 5s. 6d.; SODIUM, 50 per cent., 2s. 7d.; 75 per cent., 4s. 6d.; 100 per cent., 8s.

GLYCYRRHETIC ACID.—Per gm., 2s. 3d.

HEXAMINE.—B.P., 1s. 11½d. per lb. for 1-ton lots, delivered in 1-cwt. kegs. Technical is threepence per lb. less.

HOMATROPINE.—16-oz. lots (per oz.): ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYDROCYANIC ACID.—Dilute B.P.C., from 3s. 2d. to 4s. per litre, as to quantity; Scheeles from 3s. 10d. to 4s. 9d.

HYDROQUINONE.—One-cwt. lots, 11s.; 1-ton, 9s. per lb.

PARALDEHYDE.—B.P. in 12-winchester lots, 2s. 10d. per lb. (6s. 3d. kilo); 10-gall. carboys, 2s. 4d.

POTASSIUM ACETATE.—(Per lb.) 1-cwt. lots, 3s.; 5-cwt., 2s. 8d.; 10-cwt., 2s. 6d.

POTASSIUM BICARBONATE.—B.P. powder, 110s. per cwt. 1-4-cwt. lots and 105s. per cwt. for 5-cwt. and over.

POTASSIUM BROMATE.—In 5-cwt. lots, 5s. 3d. per lb.

POTASSIUM CHLORIDE.—In 1-cwt. lots B.P., 1s. 6d. per lb.

POTASSIUM HYDROXIDE.—B.P. sticks are from 6s. 8d. per lb. and pellets, 5s. 1d.; technical flake, 1s. 4d.

POTASSIUM 8-HYDROXYQUINOLONE SULPHATE.—1 kilo is 47s. 1d. and 50 kilos, 44s. per kilo.

POTASSIUM NITRATE.—Pharmacopœial quality, 110s. per cwt. (crystal or powder) in 1-cwt. lots.

POTASSIUM PERMANGANATE.—B.P. in 1-cwt. lots, 1s. 11½d. per lb. Technical, 209s. per cwt. and £198 per ton.

POTASSIUM QUADROXALATE.—One-cwt., 3s. 6d. per lb.

POTASSIUM SULPHATE.—One-cwt., from 1s. 2d. to 1s. 3d. per lb.

POTASSIUM THIOCYANATE.—One-cwt., 5s. 6d. per lb.

SODIUM ACETATE.—B.P.C., 28-lb., 2s. 4d. per lb.; 1-cwt., 2s., 5-cwt., 1s. 11d.

SODIUM BROMATE.—One-cwt., 9s. 9d. per lb.

SODIUM CARBONATE.—B.P.C. exsiccated, 70s. per cwt.; 5-cwt., 65s. per cwt.

SODIUM CHLORIDE.—Recrystallised, 25s. per cwt.; B.P.C., 42s.

SODIUM METABISULPHITE.—Granular, 1-cwt. lots, 9d. per lb.

SODIUM PERBORATE.—(Per ton) £145 15s. in 1-cwt. kegs; £138 5s. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is £309 15s.; TETRAHYDRATE, from £131 15s. to £139 5s. per ton as to packing.

SODIUM PERCARBONATE.—(Per cwt.) 170s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM PHOSPHATE.—B.P.C. powder, 2s. 3d. per lb.

SODIUM SALICYLATE.—One-ton lots in bulk, 3s. 7d. per lb.; 5-cwt. 3s. 8d.; 1-cwt. 3s. 10d.

SODIUM SULPHATE.—B.P. from £12 10s. to £19 17s. 6d. per ton as to crystal and quantity, ex works.

SODIUM SULPHITE.—One-ton ANHYDROUS (48-50 per cent.), £71 10s. per ton in 1-cwt. bags. CRYSTALS, B.P.C., £32 15s. per ton in 1-cwt. paper-lined bags. Commercial crystals, £27 to £28 15s. as to packing.

SODIUM THIOSULPHATE.—One-ton lots of photographic grade in paper-lined bags £38 per ton.

SULPHUR.—(Per ton in 1-ton lots), B.P. PRECIPITATE, £112 10s.; SUBLIMED, B.P. £47 10s.; POWDER, 100 mesh, £25 10s.

TARTARIC ACID.—10-cwt. lots, 300s. per cwt.; 5-9 cwt., 302s.; 2-4 cwt., 304s.; 1-cwt., 305s.

TEREBENE.—One-carboy, 4s. 2d. per lb. Winchesters, 15s. 9d. per lb.; 28-lb., 14s. 6d.

THYMOL.—One-cwt. lots, 14s. 3d. per lb.

ZINC CARBONATE.—One-cwt. lots, 1s. 9½d. per lb.

ZINC CHLORIDE.—B.P.C. cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. Technical, 115s. per cwt.

ZINC SULPHATE.—B.P., 1-cwt. lots, 1s. 9d. per lb.; technical, 60s. per cwt.

ZINC OXIDE.—B.P. in 2-ton lots, £120 per ton; 1 ton, £121 per ton; 10-cwt., £123.

ZINC PEROXIDE.—One-cwt. lots of B.P., 5s. 3d. per lb.

Crude Drugs

AGAR.—Kobe No. 1, 13s. per lb., in bond; shipment, 12s. 10½d., c.i.f.

ALOEES.—Cape primes, spot, 195s. per cwt. quoted; shipment, 175s., c.i.f. Curaçao, 500s., spot.

BALSAMS.—Per lb.:—CANADA: Spot, 22s. COPAIBA: Para from 7s., duty paid. PERU: Spot, 10s. in bond. TOLU (genuine as imported): spot cleared, March–April delivery, 22s., landed; B.P., 14s. 3d.

BELLADONNA.—LEAVES (t.a. 0.6 per cent.), 2s. 9d. per lb. and root (t.a. 0.63 per cent.), 1s. 6d., spot.

BUCHU.—Spot rounds, 4s. to 4s. 3d. per lb.; shipment, 4s. 3d., c.i.f.

CALABAR BEANS.—Spot, 1s. 7½d. per lb.

CALAMUS.—Root, 1s. 2d. per lb., c.i.f.

CALUMBA.—Root, 100s. per cwt., spot.

CAMPHOR.—B.P. powder, 3s. 7½d. per lb. in bond.

CAPRICUMS.—East African, nominal, 175s. per cwt.

CARDAMOMS.—Aleppy greens, spot, 15s. 3d. per lb.; prompt shipment, 14s. 3d., c.i.f. Seeds, shipment, 20s., c.i.f.

CASCARA.—Shipment, 275s. per cwt., c.i.f.; spot 300s.

CHERRY BARK.—Thin natural, 1s. 6½d. per lb.; rossed, 1s. 11d.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 6s. 2½d.; 3 O's, 5s. 11½d.; O, 5s. 7½d.; quillings, 3s. 5½d.; featherings, 1s. 11½d.

CLOVES.—Zanzibar spot, 2s. 9d. per lb.; shipment, 2s. 5d., c.i.f.

COCILLANA.—Bark, 2s. per lb., spot.

COLOCYNTH PULP.—Spot, 2s. 6d. per lb.

DIGITALIS.—*Purpurea* for shipment, 1s. 2½d. to 2s. 6d. per lb., c.i.f., as to quality.

ELEMI.—Spot from 1s. 10½d. per lb. shipment, 1s. 7d., c.i.f.

ERGOT.—Portuguese, 5s. per lb., c.i.f.; spot, 5s. 6d. East European not offering.

FRANGULA.—Spot, 105s. per cwt.

GENTIAN.—Spot: French, 160s. per cwt.

GINGER.—African, 195s. per cwt. spot. Jamaican No. 3, spot, 265s., and shipment, 255s., c.i.f. Cochinchina spot quoted 190s.; shipment, new crop, 200s., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts, 175s. per cwt.; spot; January–February shipment, 153s., c.i.f.

HENNA.—Indian, spot, 95s. per cwt.; shipment, 65s., c.i.f.

HONEY.—Australian light amber, 95s. to 100s. and medium amber, 90s. to 95s. Argentine, 95s. to 100s.; Jamaican, 115s. to 120s.; Canadian clover, 150s. to 155s. all per cwt. on the spot ex warehouse.

IPECACUANHA.—Matto Grosso, 51s., c.i.f., March–April; Colombian, 53s. 6d., c.i.f., February–March. Spot scarce.

KARAYA.—No. 1 gum on the spot is quoted at 260s. per cwt. nominal. No. 2 at 230s., nominal.

KOLA NUTS.—Jamaican for shipment, 7d. per lb., c.i.f. African, 5½d. spot and 4d., c.i.f.

LANOLIN.—ANHYDROUS, B.P. is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS, B.P., 150s., free drums, delivered.

LIQUORICE.—Natural root: Persian on the spot, 47s. 6d. and Russian, 65s. per cwt. Block juice: Anatolian and Chinese, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt.

LOBELIA HERB.—Spot cleared. American for shipment, 4s. 3d. per lb., c.i.f. Dutch not offering.

MENTHOL.—Chinese, 67s. 6d. per lb., duty paid as to seller; shipment not offering. Brazilian, 42s. 6d., in bond; 42s., c.i.f.

MYRRH.—(Per cwt.). Good sorts, £26, c.i.f.

NUTMEGS.—West Indian 80's 13s. 6d. per lb., spot; sound unassorted, 10s.; defectives, 8s.

NUX VOMICA.—Scarce. Shipment 125s. per cwt., c.i.f.; spot, 140s.

ORANGE PEEL.—Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 7d.

ORRIS ROOT.—Florentine is 345s. per cwt.

PAPAIN.—Tanganyikan 15s. per lb., c.i.f., for grade one, spot, 17s. 6d. Ceylon, No. 1 white, 15s., c.i.f.; brown, 13s. 6d., c.i.f.

PEPPER.—White Sarawak, 8s. per lb., spot; February–March shipment, 7s. 9d., c.i.f. Black Sarawak, 5s. 6d.; shipment, 4s. 9d., c.i.f. Malabar black, 565s., c.i.f.

PEPPERMINT LEAVES.—Dutch, 2s. 7d. to 3s. per lb., c.i.f.

PIMENTO.—Spot, 590s. cwt. nominal; shipment, 540s., f.o.b.

PODOPHYLLUM.—*Emodi*, 200s. per cwt. spot, and 185s., c.i.f., for shipment.

PYRETHRUM.—Extract, minimum, 25 per cent. w/w pyrethrins, 75s. per lb. for small lots.

QUASSIA.—Spot, 55s. per cwt., ex wharf.

QUILLARIA.—Spot, whole bark, 110s. per cwt.; cut, 160s. Whole for shipment, 100s., c.i.f.

RHUBARB.—Chinese small round from 6s. 9d. on the spot.

SAFFRON.—Spanish, 160s. per lb.

SARSAPARILLA.—Jamaican native red on the spot, 2s. 6d. per lb. Shipment, 2s. 2d., c.i.f.

SEEDS.—(Per cwt.). ANISE.—Bulgarian, 135s.; Turkish, 140s.; Spanish, 170s., duty paid. CARAWAY.—Dutch firm at 142s. 6d., duty paid. CELERY.—Indian spot, 150s.; shipment, 117s. 6d., c.i.f. CORIANDER.—Moroccan are quiet with sellers at 47s. 6d., duty paid; shipment, 33s., c.i.f. CUMIN.—Iranian, 250s., duty paid; shipment: Indian, 200s., c.i.f.; Cyprian, 235s., c.i.f. DILL.—Indian, 95s., spot; shipment, 85s., c.i.f., quoted. FENNEL.—Chinese, 110s., duty paid. Indian, 115s., on spot. Indian for shipment, 95s., c.i.f. FENUGREEK.—Moroccan, 45s., duty paid; shipment, 33s. 6d., c.i.f. MUSTARD.—English, 87s. 6d. to 95s.

SENEGA.—Spot 19s. 6d. per lb.; shipment, small lots at 18s. 9d., c. and f. quoted.

SENNA.—*Timnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 9d. PODS: manufacturing (f.a.q.), 1s. 1d. and hand-picked, 1s. 9d. to 2s. 2d. *Alexandria* pods: Manufacturing, offered from 1s. 6d.; hand-picked lower quality from 3s. 6d. to 4s. 6d. Good h.p. cleared.

SHELLAC.—F.O.T.N., 200s. per cwt.; No. 1, 220s.; F.O., 230s. to 280s., spot.

STRAMONIUM.—Indian LEAVES 60s. per cwt., spot. Dutch 0.5 per cent. alkaloid, 93s., c.i.f.

STYRAX.—Spot, 33s. per lb., shipment, 31s. 6d., c.i.f.

TONGUIN BEANS.—Para spot, 8s. 2d. per lb., new crop, 6s. 6d., c.i.f. Angostura, 11s.

TRAGACANTH.—No. 1 ribbon, £130 per cwt. No. 2, £110 to £115.

TURMERIC.—Madras finger on spot is 120s. per cwt.; new crop, April–May shipment, 100s., c.i.f.

VALERIAN ROOT.—Spot: Indian (with rootlets), 130s. and Belgian, 175s. per cwt. Dutch whole (max. 2½ per cent. sand) for prompt shipment, 159s., c.i.f.

VANILLIN.—Rates (per lb.) are now:—5-cwt. lots, 23s. 3d.; 1-cwt., 23s. 6d.; 56-lb., 23s. 9d.; smaller quantities, 24s.

Essential and Expressed Oils

ALMOND.—Moroccan, 6s. per lb., duty paid.

ANISE.—Chinese, 7s. 9d. per lb., spot; shipment, 7s. 6d., c.i.f.

BAY.—West Indian, 12s. 6d. per lb. on the spot.

BERGAMOT.—Spot, from 77s. per lb.

BOIS DE ROSE.—Brazilian, 14s. 9d. per lb. on the spot and 14s. 6d., c.i.f.

CAJUPUT.—Spot from 10s. per lb.

CANANGA.—Spot, from 42s. 6d. to 45s. per lb.

CARAWAY.—Imported oil, 27s. 6d. per lb.

CEDARWOOD.—American rectified, 5s. per lb. spot.

CELERY SEED.—Dutch oil, 90s. per lb. and Chinese, 65s.

CINNAMON.—From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 9s. 9d. per lb.; rectified, 11s. 6d. per lb.; Seychelles, 8s. 6d., spot.

CITRONELLA.—Ceylon, spot, 6s. 3d.; shipment, 6s. 2d. per lb., c.i.f. Formosan, spot, 6s. 3d. in bond; shipment, 6s. 3d., c.i.f.

CLOVE.—Madagascar leaf, spot, 9s. 6d. per lb., duty paid; shipment, 7s. 10d., c.i.f. Rectified 87–88 per cent., 8s. 6d. Distilled bud oil, English B.P., 30s. to 31s.

CORIANDER.—B.P. oil is quoted from 62s. 6d. per lb.

CUMIN.—Imported oil, 90s. per lb.

DILL.—Imported, 27s. 6d. per lb., spot.

GINGER.—Imported: Jamaican, 130s. per lb.; Chinese, 72s. 6d., duty paid.

JUNIPER.—B.P.C. 1949 oil is from 12s. 6d. per lb. on the spot. English-distilled, 180s. JUNIPER WOOD, from 5s.

LAVANDIN.—Spot, 6s. to 9s. per lb. for original drums.

LEMON.—B.P. grades from 16s. to 26s. per lb. on the spot. Californian for shipment, 25s. to 28s. 6d., c.i.f. Terpeneless, 500s. per lb.

LEMONGRASS.—Spot, 14s. 6d. per lb., and shipment, 14s. 1½d., c.i.f.

NUTMEG.—Imported B.P. oil is 90s. per lb. English distilled 100s.

ORANGE.—Spot quotations of sweet oil include Floridan at 4s. per lb.; West Indian, 5s. 6d.; Israeli, 7s. 6d.

PEPPERMINT.—*Arvensis*: Chinese spot, 37s. 6d. per lb. Brazilian, 13s. spot and shipment, 12s. 9d., c.i.f. *Piperita*: Italian "Mitcham-type" from 42s. 6d. to 48s. 6d.; American, 26s. to 30s., as to origin.

PETITGRAIN.—Paraguay, 18s. 6d. per lb., spot; shipment, 18s. 3d., c.i.f.

PIMENTO.—English-distilled berry, 167s. 6d. per lb.; imported, 77s. 6d. Rectified leaf 27s. 6d. per lb. for small lots.

ROSEMARY.—Spanish is 7s. 3d. per lb. on the spot for best quality.

RUE.—Spanish is 25s. per lb. spot.

SAGE.—Spanish, 9s. per lb.

SANDALWOOD.—Mysore, spot 105s. to 107s. 6d. per lb. East Indian, 105s. to 107s. 6d.

YLANG YLANG.—Spot, from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, JANUARY 26: Higher per lb. among CRUDE DRUGS were TOLU BALSAM at \$3.10, up ten cents, and GUM ACACIA, amber sorts, at 22½ cents, up a half-cent. Lower was Asiatic STYRAX at \$5.50, down 50 cents a lb. Higher per lb. among ESSENTIAL OILS were Bourbon VETIVER at \$16.25, up 50 cents. GINGER, \$14, up \$2, and Formosan CITRONELLA at 88 cents, up three cents.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," January 6

For pharmaceutical preparations for human and veterinary use, sanitary substances, medical and surgical plasters, material prepared for bandaging, disinfectants and antiseptics (5)

ENDURETS, 795,144, by J. R. Geigy, S.A. (J. R. Geigy, A.G.), Basle, Switzerland.

For anaesthetics (5)

GINGICAIN, 796,009, by Farbwerke Hoechst, A.G. vormals Meister Lucius & Brüning, Frankfurt on Main, Germany.

For scissors not for surgical use (8)

5-UP, 794,875, by Allen & Hanburys, Ltd., London, E.2.

For rubber hot-water bottles (21)

EVEREST, B773,740, by Boots Pure Drug Co., Ltd., Nottingham.

From the "Trade Marks Journal," January 13

For hair lacquers (3)

LANO-LACQUER, LACQUER-LAN, 786,767-68, by Rosedale (Products), Ltd., London, E.8.

For non-medicated toilet preparations, cosmetic preparations, perfumes, soaps and essential oils (3)

FACADE, 795,321, by Norman Hartnell, Ltd., London, W.1.

For detergents (not for use in industrial or manufacturing processes) (3)

PYRONEG, 795,387, by Diversey (U.K.), Ltd., London, W.1. JANITOL, 795,582, by Audley Bowdler Williamson, Belper, Derbys.

For all goods (3) and (5)

Devices with letter O, B789,726 and B789,169, by Odex, Ltd., Ellesmere Port, Ches.

For pharmaceutical preparations for use in the treatment of nicotine poisoning and to discourage the habit of smoking (5)

DISCOTIN, 779,847, by Mark Halpern, Enfield, Middlesex.

For pharmaceutical products active in the treatment of staphylococcal infections (5)

STAPHLOMCINE, 780,523, by Recherche et Industrie Therapeutiques, en Abrege R.I.T., Genval, Belgium.

For chemical preparations for killing weeds (5)

WEE-DAR, B785,983, by Amchem Products, Inc., Ambler, Pennsylvania, U.S.A.

For pharmaceutical products (5)

OASIL, 787,981, by Simes S.P.A., Milan, Italy.

For disinfectants; antiseptics; sterilising preparations; preparations for repelling pests; deodorants; germicides and bactericides; all in fluid form (5)

Device with words JEYES' FLUID DISINFECTANT AND ANTISEPTIC, by Jeyes' Sanitary Compounds Co., Ltd., Barking, Essex.

For disinfectants, germicides, deodorants and air purifying preparations (5)

Device with word SANILAV, 790,012, by Jeyes' Sanitary Compounds Co., Ltd., Barking, Essex.

For pharmaceutical preparations for use by spraying (5)

CETOSPRAY, 790,286, by Ward, Casson, Ltd., London, W.1.

For pharmaceutical preparations for the treatment of bronchial ailments (5)

BRONKOTA, 790,959, by Bayer Products, Ltd., Kingston-on-Thames, Surrey.

For sanitary and sterilising preparations for use in dairies (5)

ECONOSAN, 791,663, by Gascoigne-Crowther, Ltd., Caversham, Reading, Berks.

For veterinary preparations for dogs (5)

GAYDOG, 792,164, by Crookes Laboratories, Ltd., London, N.W.10.

For slippery elm and preparations thereof, all for pharmaceutical use (5)

SLELM, 793,128, by J. & J. Ballard, London, S.W.17.

For all goods (5)

MARPLAN, 793,143, by Roche Products, Ltd., Welwyn Garden City, Herts.

CENSEDAL, 795,263, by May & Baker, Ltd., Dagenham, Essex.

For pharmaceutical preparations and substances for the treatment of intestinal disorders (5)

ENTERFRAM, 794,689, by Genatosan, Ltd., Loughborough, Leics.

For antiseptics and disinfectants (5)

RAPIDOSEPT, 795,058, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pharmaceutical, veterinary and sanitary substances, medical and surgical plasters, materials prepared for bandaging, disinfectants, and preparations for killing weeds and destroying vermin (5)

DILIGAN, 795,827, by Union Chimique Belge, S.A., Brussels, Belgium.

For electrical and electronic apparatus and instruments, all for use in photography (9)

COLORTRON, 794,934, by Photosynthetics (Distributors), Co., Ltd., Epsom, Surrey.

For non-medicated toilet paper (16)

BLUE RING, 793,329, by Tesco Stores, Ltd., London, N.18.

For baby pants (25)

HAP-EES, 795,177, by International Latex Corporation, Dover, Delaware, U.S.A.

From the "Trade Marks Journal," January 20

For non-medicated toilet preparations, but not including perfumed soap or any goods of the same description (3)

SIGNAL, 793,518, by D. & W. Gibbs, Ltd., London, W.1.

For eau de Cologne, perfumed sachets, perfumes; and toilet powder (for personal use), toilet waters, toilet lotions, bath salts and bath oils none being medicated (3)

HERE'S MY HEART, 790,133, by Avon Products, Inc., New York, U.S.A.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents),"

January 20

(by permission, Controller, H.M. Stationery Office)

British patent specifications are obtainable (price 3s. 6d.) from The Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2.

Self-propelling pharmaceutical compositions, Riker Laboratories, Inc. 830,426.

Analgesic compounds. Ravensberg, G.m.b.H. 830,577.

Injection solutions of 2-methyl-2-N-propyl-1, 3-propanediol dicarbonate. A. Detzel. 830,320.

Phenylacetic acid esters, their production and compositions containing them. Laboratoires Dausse. 830,735.

Colouring matters. Imperial Chemical Industries, Ltd. 830,403.

Process for producing glutamic acid. Ajinomoto Co., Inc. 830,698.

Process for the production of phenothiazine derivatives. Farbenfabriken Bayer, A.G. 830,563.

Piperidinecarboxamide derivatives. G. D. Searle & Co. 830,709.

Fungicidal products. Murphy Chemical Co., Ltd., and M. Pianka. 830,650.

Pest control compositions. Monsanto Chemical Co. 830,657.

Composition having bleaching, sterilising and disinfecting properties, and method of preparation thereof. Hedley & Co., Ltd. 830,753.

Cylindrical ampoules for surgical injection. Farbwerke Hoechst, A.G., Vormals Meister, Lucius & Brüning, 830,513.

Dryer for granular, fibrous and like material. Proctor & Schwartz, Inc. 830,470.

Medicament dispensing and administering apparatus. Riker Laboratories, Inc. 830,427.

PRINT AND PUBLICITY

PUBLICATIONS

Booklets and Leaflets

BRUCE, STARKE & Co., LTD., 5 Fenchurch Street, London, E.C.3: *Dragoco Report* No. 1, 1960. Pp. 23.

CHILEAN IODINE EDUCATIONAL BUREAU, Chile House, Ropemaker Street, London, E.C.2:

"Iodine in Chemical Analysis." Pp. 52. *Current Iodine Literature*, Vol. 6, No. 17, 1959.

CYCLO CHEMICALS, LTD., Manfield House, Strand, London, W.C.2: "Make your own synthetic detergent at half the cost with Cycloryl ABSA." Pp. 3.

"Formulation of liquid detergents with Cycloryl ABSA." Pp. 3.

Price Lists

CIBA LABORATORIES, LTD., Horsham, Sussex: Supplement to June 1959 list.

LEDERLE LABORATORIES DIVISION, CYANAMID OF GREAT BRITAIN, LTD., North West Wing, Bush House, Aldwych, London, W.C.2: Replacement pages.

PARKE, DAVIS & Co., LTD., Hounslow, Middlesex: Addition to list.

POLAK & SCHWARZ (ENGLAND), LTD., 50 Great Cambridge Road, Enfield, Middlesex: Aromatic chemicals, January 1960.

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: 1960.

PRESS ADVERTISING

BIOMETICA, LTD., Elstree Way, Boreham Wood, Herts: *BULO*. In *Woman and Beauty* during February, March and April.

BOWATER SCOTT CORPORATION, LTD., Bowater House, Knightsbridge, London, S.W.1: Andies tissues. In *Daily Express* and *Daily Mirror* during January, February and March.

COLEMAN & Co., LTD., Wincarnis House, Westwick Street, Norwich: Vitacup. In *Daily Express*, *Daily Mail* and *Daily Mirror* during February and March.

COUNTY LABORATORIES, LTD., Honeyput Lane, Stanmore, Middlesex: Brylcreem in national daily and Sunday newspapers and magazines.

CUSSONS SONS & Co., LTD., Kersal Vale, Manchester, 7: Imperial leather. In *Woman* and *Woman's Own*.

EAREX, LTD., 23 Tulketh Street, Southport, Lancs: Earex drops. In national Sunday and provincial daily and weekly newspapers for next three months.

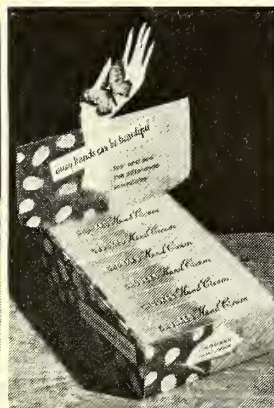
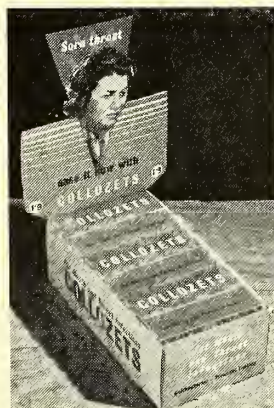
Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

DUNCAN, FLOCKHART & Co., LTD., 16 Wheatfield Road, Edinburgh: "D.F.118" (6-p. folder).

GIGGY PHARMACEUTICAL Co., LTD., Wythenshawe, Manchester, 23: "Butazolidin/Delta Butazolidin" (dosage card), "Delta Butazolidin—the evolution of rheumatoid arthritis" (folder), "Medomin," "Taoryl" (4-p. folders), Tofranil—depression information No. 2 (16-p. booklet).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Becosym," "Romilar," "Pethilorfan" (blotters), "Madribon," "Pethilorfan" (4-p. folders).



Outers for twelve packs of Collozets, Crookes hand cream and Karvol inhalant capsules are supplied by the manufacturers Crookes Laboratories, Ltd., Park Royal, London, N.W.10.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, February 1

HENDON AND EDWARE BRANCH, PHARMACEUTICAL SOCIETY, Hendon Hall hotel, Ashley Lane, London, N.W.4, at 8 p.m. Detective-Suprintendent Hawkins on "Crime and the Public."

INTERNATIONAL GIFTS AND FANCY GOODS FAIR (eleventh), Blackpool, until February 5.

LONDON SECTION, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 6.30 p.m. Mr. K. D. B. Johnson on "Industrial Separation of Isotopes."

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, lecture hall, administration block, Freedom Fields hospital, at 7.30 p.m. Dr. H. Greenburgh on "Anaemia and its Treatment."

STOCKPORT BRANCH, PHARMACEUTICAL SOCIETY, Warren Bulkeley hotel, Warren Street, at 8 p.m. Films.

Tuesday, February 2

CORNWALL BRANCH, PHARMACEUTICAL SOCIETY, Red Lion hotel, Truro, at 7.30 p.m. Business meeting.

GLASGOW PHARMACY CLUB, Craig's tea rooms, 453 Sauchiehall Street, at 7.30 p.m. Whist drive.

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Black Boy hotel, Long Row, at 7.30 p.m. Mr. J. R. Jarratt on "Cortisone."

SOUTH SHIELDS PHARMACEUTISTS' ASSOCIATION, King's assembly rooms, King Street, at 7.30 p.m. Mr. M. Baum (Sunderland technical college) on "Pictorial Impressions of New York and Toronto."

Wednesday, February 3

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Pavilion ballroom, Dinner dance.

HEAVY ORGANIC CHEMICALS GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 6 p.m. Mr. D. J. Hadley on "The Preparation and Use of Nitriles."

LANCASTER, MORECAMBE AND WESTMORLAND BRANCH, PHARMACEUTICAL SOCIETY, Elms hotel, Bare, Morecambe, Dinner dance.

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, South-west College of Technology, Forest Road, Walthamstow, London, E.17, at 7.30 p.m. Films.

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 2.30 p.m. Mr. C. Paine (director, Imperial Chemical Industries, Ltd.) on "Modern Dyes."

SOCIETY FOR ANALYTICAL CHEMISTRY, Chemical Society meeting room, Burlington House, Piccadilly, London, W.1, at 7 p.m. Meeting on spectroscopic investigation of fats.

SOUTHPORT BRANCH, PHARMACEUTICAL SOCIETY, Prince of Wales hotel, at 8 p.m. Dinner dance.

Thursday, February 4

BEDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Sun hotel, Sun Street, Hitchin, at 7.30 p.m. Mr. H. E. Dale on "Some Recent Advances in Medicine."

BIRKENHEAD AND WIRRAL BRANCH, PHARMACEUTICAL SOCIETY, hotel Victoria, New Brighton, Dinner dance.

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Three Tuns hotel, at 8 p.m. Social evening.

GUILDFORD BRANCH, PHARMACEUTICAL SOCIETY, Prince of Wales, at 7.30 p.m. Mr. D. D. MacDonald (May & Baker, Ltd.) on "Repair of Atrial Septal Defect."

HUDDERSFIELD CHEMISTS' ASSOCIATION BRANCH, Pack Horse hotel, Kirkgate, at 7.45 p.m. Mr. J. C. Bloomfield (member of Council), talk.

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, Technical College, Fasset Road, Kingston-on-Thames, at 7 p.m. Professor W. K. Adam on "Water Repellent Surfaces."

NORTH LONDON PHARMACEUTICAL ASSOCIATION AND NORTH METROPOLITAN BRANCH, Café Royal, London, W.1, at 6.45 p.m. Dinner dance.

NORTHERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Royal hotel, Inverness, at 7.45 p.m. Dinner, social.

Friday, February 5

NORWICH BRANCH, PHARMACEUTICAL SOCIETY, Assembly house, Theatre Street, at 7.30 p.m. Talk "Careers."

SOCIETY OF COSMETIC CHEMISTS, Café Royal, Regent Street, London, W.1. Dinner dance.

WEST HERTS BRANCH, PHARMACEUTICAL SOCIETY, Kings Arms, Hemel Hempstead, at 8 p.m. Business meeting.

TELEVISION

February 7-13

	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster
Alka-Seltzer	1	1	1	1	1	2	1	—	—
Anadin	1	1	1	3	4	1	1	4	3
André Philippe hair lacquer	—	1	—	—	—	—	—	—	—
Andrews liver salt	—	—	—	—	—	—	—	2	2
Angier's junior aspirin	2	5	4	—	—	—	—	—	—
Anne French preparations	1	—	1	—	—	—	—	—	—
Askit	—	—	12	—	—	—	—	7	—
Aspro	6	5	7	5	9	5	5	4	—
Beecham's pills	2	2	2	2	2	2	2	2	2
Beecham's powders	4	4	4	12	4	4	12	12	12
Bengers food	—	—	—	—	—	—	2	—	—
Bristow's lanolin shampoo	3	3	3	—	—	3	—	—	—
California syrup of figs	—	1	1	1	—	—	—	—	—
Cephos	—	—	3	—	—	—	—	—	—
Coldrex	2	3	3	3	—	2	2	2	—
Cuticura	—	2	2	—	—	—	—	—	—
Daxaids	—	6	3	—	3	—	—	—	—
Dekrasil	—	—	4	—	—	—	2	—	—
Delrosa	2	2	2	2	2	2	2	2	—
Delsey	3	—	—	—	—	—	—	—	—
Dixor products	2	—	—	2	—	—	—	—	—
Dristan	—	1	—	—	—	—	—	—	—
Eno's "Fruit Salt"	2	2	2	—	—	—	—	—	—
Evan Williams medicated shampoo	4	4	4	—	4	4	4	—	—
Fynnon salt	1	1	1	1	1	2	1	2	—
Germolene	2	—	3	3	3	3	1	—	4
Glymiel jelly	2	—	—	—	—	—	—	—	3
Hemotabs	—	—	—	—	—	2	—	—	—
Horlicks	3	3	3	2	3	3	3	2	2
Johnsons Baby Suds	2	2	2	3	2	2	2	2	2
Kleenex	2	2	2	3	3	2	2	2	2
Kolynos	—	1	1	1	—	—	1	—	—
Kruschen	—	1	1	—	—	—	—	—	—
Lantigen	—	1	1	1	—	—	—	—	—
Lectric shave	—	1	1	1	—	—	—	—	—
Lemskin	—	1	—	—	—	—	—	—	—
Loxene shampoo	1	1	1	1	1	1	1	1	1
Lucozade	3	2	2	—	3	2	3	3	3
Mac throat sweets	3	3	—	—	—	—	—	—	—
Marigold gloves	—	2	2	—	—	—	—	—	—
Max Factor	3	3	3	3	3	3	3	3	3
Mentholatum rub	2	—	2	1	1	1	2	—	—
Milk of Magnesia tablets	1	—	2	1	1	1	1	2	—
Milpar	—	3	3	—	—	—	—	—	3
Nemakol	—	2	—	—	—	—	—	—	—
Penetrol	—	1	—	—	—	1	2	—	1
Phillips's tooth-paste	2	—	2	—	—	—	—	—	—
Phosferine	—	1	1	1	1	1	1	1	1
Phyllosan	—	1	1	1	—	—	1	—	—
Preparation "H"	—	1	—	—	—	—	—	—	—
Quinasp	—	3	—	—	—	—	—	—	—
Rennies	2	2	2	2	2	2	2	3	3
Ribena	3	2	2	—	3	3	2	2	2
Ribena pastilles	—	2	—	—	—	—	—	—	—
Rimmel Beauty on a budget	—	1	1	1	1	1	1	1	—
Rinstead pastilles	—	1	2	2	2	4	1	2	1
Rivella	—	3	—	—	—	—	—	—	—
Savlon lozenges	—	4	4	4	4	—	4	—	—
Savril	—	—	—	—	—	—	1	—	—
Scott's emulsion	—	—	1	—	—	—	—	—	—
Setlers	—	3	2	—	2	—	3	—	3
Silvikrin shampoo	10	2	2	2	3	2	3	—	—
Sun Orange	—	—	—	—	—	—	—	—	—
Quosh	—	—	—	—	2	—	—	—	—
Suregrip gloves	—	3	2	2	2	2	3	2	—
Valderma balm	—	5	—	1	2	—	—	2	—
Valderma soap	—	2	—	—	—	—	—	—	—
Vaseline petroleum jelly	—	5	5	5	5	5	5	5	5
Vaseline medicated shampoo	—	5	1	5	—	—	—	—	—
Veno's cough mixture	—	3	3	3	3	3	3	3	3
Virol	—	4	—	—	—	—	—	—	—
Vykmin	—	1	1	1	1	1	1	1	—
Winspray	—	—	—	—	—	2	—	—	—
Ycast-Vite	—	2	2	1	2	2	2	2	1
Zeph nasal spray	—	—	—	4	—	—	—	—	3

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; †=Tax 12½ per cent.; *Tax 25 per cent.; ‡=Tax 50 per cent.

BOOTS PURE DRUG CO., LTD. (from January 26)

Viules heparin. 25,000 i.u. per mil 12 6 18 9 R

PROPRIETARY PRESSURE PACKAGES, LTD. (distributors, FASSETT & JOHNSON, LTD.)

Hero aerosols:—
air freshener 4 3 A
insecticide 4 3 A
cold relief 6 6 R

SHADEINE CO., LTD. (from February 1)
Shadeinet golden and 1 oz. 29 6 4 6 A
2 oz. 39 3 6 0 A

VINE'S BIOCRIN, LTD.
Jacks hair creams:—
16 0 2 8 A
24 0 4 0 A

JOHN WYETH & BRO., LTD. (from February 1)
S-M-A 16 oz. 74 4 7 9 R

NEW PRODUCTS AND PACKS

AIRWICK, LTD.
Mothproof aerosol 4 6
Fly killer aerosol 4 6

THE BRITISH DRUG HOUSES, LTD.
Multivite pellets 150 6 2 9 3

DURAZONE (SALES), LTD.
Choice aerosols:—
air purifier 2 11
fly killer 2 11
mothproof 2 11
"Sprayclean" spot remover 3 3
"Kill Cold" 4 6

KELDON, LTD.
Optrex eye lotion* Doz. 13 0 1 9
"introductory" size

LEDERLE LABORATORIES DIVISION, CY-ANAMID OF GT. BRITAIN, LTD.
Ledermycin capsules Each
150 mgm. 16 29 0 43 6
100 174 2 261 3
1,000 1,682 4 2,523 6

ELI LILLY & CO., LTD.
Nu-seals P.A.S.
0.5 gm. 100 6 0 9 0
1,000 50 0 75 0

sodium
0.5 gm. (gr. 7½) 100 3 8 5 6
1,000 29 4 44 0
1 gm. (gr. 15) 100 4 0 6 0
1,000 32 0 48 0

McNEIL LABORATORIES, LTD.
Parafon tablets 25 6 6
100 22 9

Tylenol elixir 4 fl. oz. 4 8
Butibel tablets 25 3 0
100 10 6

Butisol tablets 15 mgm. 100 3 4
500 15 0
30 mgm. 100 4 4
500 19 6
100 mgm. 25 4 2
100 14 7

E. R. SQUIBB & SONS, LTD.
Vionate ½ lb. 5 6
2 lb. 28 0
10 lb. 120 0
50 lb. 500 0

THERMIOS, LTD.
Thermos "sixteen" range†:—
16½ (minor) 8 fl. oz. 7 2
16 (standard) 16 fl. oz. 7 9
16½ (major) 26 fl. oz. 11 10
16Q (family) 36 fl. oz. 13 9
16QH (16Q with handle) 14 6

a NEW self-selling line!..

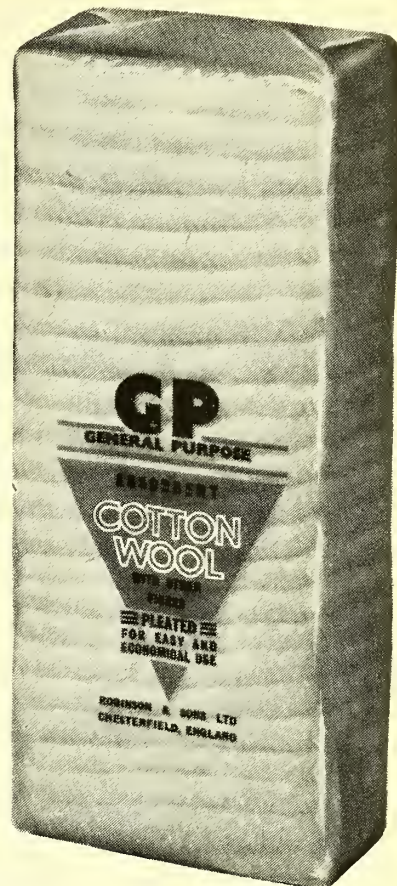
GP
GENERAL PURPOSE
COTTON WOOL
WITH OTHER FIBRES

PLEATED... for easy and economical use...
... packed in attractively printed polythene bags

* **DISPLAY and SELL**

Trade Price - 8/6 per dozen bags. Selling price - 1/- per bag
Standard Pack - 9 dozen bags per carton
Obtainable from your wholesaler - or direct from

ROBINSON & SONS LTD • WHEAT BRIDGE MILLS • CHESTERFIELD



HIPSY
BONUS
OFFER



FOR A LIMITED PERIOD

5%

Discount on direct orders
of two doz.

10%

Discount on direct orders
of four doz. and over

Orders sent now will give you
a bigger profit

AT **2/6** PER **8** OZ. BOTTLE

the best Rose Hip Syrup value

PAINES AND BYRNE LIMITED GREENFORD

ONLY GUAVIN

CONTAINS SUCH A

RICH NATURAL STORE

OF HEALTH-GIVING VITAMIN C

AND

ENERGY-GIVING FRUIT SUGARS



Guavin is 100% pure fruit juice; a delicious blend of the juices of South African guavas and sweet, black grapes. It contains more natural Vitamin C than blackcurrant syrups; more natural glucose than energy drinks.

It is sold exclusively through Chemists and Health Food Stores and at one price only—3/-.

To you, Guavin offers exclusively, the advantage of a stable price, steady, repeating profits, much goodwill—and a continuously expanding market.

It will pay you to stock Guavin. And to actively recommend it.

GUAVIN

(SAY GWAR-VIN)

the double goodness drink

PASCALL-KNIGHT LTD. (Est. 1931) CROYDON, SURREY

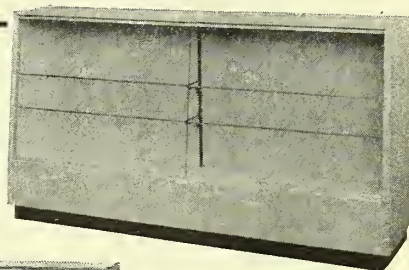
3/-

Buy direct from the manufacturer

NORLAND

Chemist Display Units

NORLAND
"CC"
Oak
Chemist
Counter



Front view: Display section fitted with two rows of adjustable glass shelves, enclosed by a pair of rimless glass sliding doors, with oak polished interior. Flush ends and top.

Size: 6 ft. long x 3 ft. 3 ins. high x 18 ins. back to front (tapering at top to 15 ins.)

Rear view: 25 equal size drawers and three large stock drawers.

Ex-works **£49**

In spite of increased cost of material there has been no price increase in our NORLAND DISPLAY UNITS. The answer—

EFFICIENT FACTORY PRODUCTION

Write for complete catalogue. Extended credit terms.

LIDDLE KEEN & CO. LTD.

Norland Yard, London, W.11. Tel: PARK 9881/2

JKL

**BOTANICALS
CHEMICALS
GUMS**

**ESSENTIAL OILS
SPICES
WAXES**



NEW YORK

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**CASCARA
IPECAC
SENEGA
STYRAX
STROPHANTHUS**



JOHN KELLYS (LONDON) LTD.

24 OLD BROAD STREET, E.C.2.

Telephone: LONDON W.11 6585 (4 lines)
Telegrams: "Ergotine, Stock, London"

YOU'VE GOT A DATE ON **FEB 13**

THAT'S THE DAY

the mightiest campaign ever for Stergene
breaks over the whole country

THAT'S THE START

of a massive advertising drive that will
make every woman Stergene conscious

THAT'S THE DAY

when you simply must have adequate
stocks and displays of Stergene

DON'T TAKE A CHANCE TAKE A ^{real} PROFIT!

Bubbly
Stergene

the bigger
1960 picture
for

Lillets



bigger promotion bigger sales bigger profits

new
high-readership
advertising
running right
through the year
in many more
women's magazines
—practically twice the
1959 promotion effort—
begins mid-February
—so stock up now



Carol never breaks a date now



"What's the matter Carol?
You wanted to go... Why?..."



"Oh, well, look, you should be using
Lillets. I've got their booklet.
Come and I'll show you..."



"...no belt or pins and they're marvellously
comfortable. See, Lillets expand
widthways, so they can't press on nerves.
And they're completely safe."



"Gimon Carol! You've danced with
everyone but me so far.
This one's for us!"

Lillets

internal sanitary protection
no applicator needed



NORMAL SIZE 1/6
PLUS SIZE 2/-

FREE SAMPLE
Write to Sister Marion,
Lilia-White (Sales) Ltd., Dept. LI
256-260 Old St., London, E.C.1 for a
sample with a FREE booklet
in a plain envelope.

another S.W. product

1959 was the best Lil-lets year ever—1960
will be streets ahead. Share the new
business that redoubled Lil-lets advertising
will bring in. Be sure your stocks are full
and ready.

Lillets NORMAL 1/6 retail
PLUS 2/- retail



We can supply bulk vitamins in all categories. Capacity also for large scale ampoule production. Look to Vitamins Ltd. for your vitamins. Enquiries will receive immediate attention.

Bulk vitamins and ampoule production



**Get your vitamins from
VITAMINS LTD.**

Bulk Sales Dept.,
Vitamins Ltd., Upper Mall,
London, W.6.
Telephone: Riverside 5001
Telegrams: Vitabemax,
Hammer, London.

a
BEST-SELLER
ALL
the year
round

'NIAGARA'
VITAMIN 'C'
Blackcurrant Syrup

NIAGARA—made from Blackcurrant juice and sugar... rich in health giving Vitamin 'C'... delicious, the perfect drink for young and old alike.

ORDER FROM YOUR WHOLESALE NOW!
BARNETT & FOSTER LTD
Queensbridge Road, London, E.8 Tel: CLIssold 7132

**"RELIANCE"
NATURAL SPONGES**

**Natural
Deep Sea Sponges**

To display a natural deep sea sponge is to sell it—because discriminating customers know that it is softer and kinder to the skin, and more lasting and more hygienic than any substitute—as well as holding three times as much water.

Cresswell's offer the best of the sponge crop. Please write for our price lists, and when in the West End of London a visit to make your own selection is welcomed.

CRESSWELL BROS. SPONGES
3-9, EARLHAM STREET, CAMBRIDGE CIRCUS, LONDON, W.C.2
TELEPHONE TEMple Bar 5331

Read at a glance... **SOLD** at a glance

THE NEW "MAYFAIR" PERSONAL WEIGHER No. 206

The increasing interest in dieting for health and beauty is making more and more people weight-conscious. All of these people need an efficient, yet economically priced weighing machine for use in their own homes.

We are spending thousands of pounds in advertising our re-styled Mayfair machine to the public. The Mayfair is now available in many attractive colours—white, powder blue, april pink, spring green, or pale primrose. It's read at a glance, and **SOLD** at a glance. Stock and sell the new Mayfair—now.



SALTER

NATIONALLY ADVERTISED IN
leading women's magazines

NEW SPOT-LIFTER GETS NATION-WIDE TV & PRESS LAUNCH

Launched only last August in the London TV area with heavy TV and press support, K2r Spot-lifter is already a big sales success throughout Greater London. Now K2r is all set for a sweeping sales success on a nation-wide scale. From April onward unprecedented national TV and press advertising will send people into

shops throughout the country for K2r. Don't let *your* customers go elsewhere for K2r. See that you have ample stocks and make full use of the eye-catching counter display material (supplied with every order) to stimulate buying right at the point of sale.

GREAT INTRODUCTORY OFFER!

K2r costs 28s. 0d. a dozen and retails at 3s. 6d. a tube... giving you a clear profit of 33%. One dozen tubes will be sent carriage paid in an attractive sell-out box.

During the introductory offer period all orders will be invoiced at 13 to the dozen giving you a grand total profit of over 40% on return!

STOCK, SHOW AND SELL K2r SPOT-LIFTER



K2r



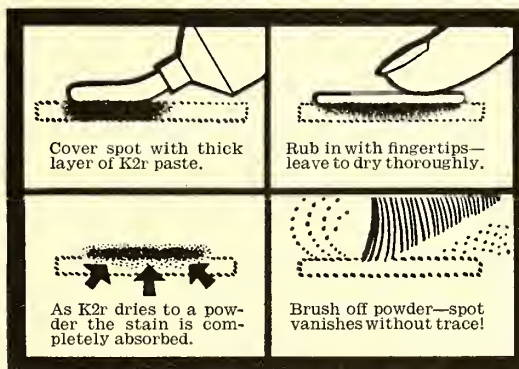
3/6

lifts the stain clean out of the cloth

THIS IS HOW K2r WORKS

K2r Spot-lifter leaves no ring—is easy to apply—no bottle to break. K2r removes *more* stains from *more* fabrics than any other cleaner on sale today. It's the easiest way *ever* to keep clothes spotlessly smart.

K2r
An **IZAL** Product



VI-LAN Lanolin Cream



*the successful treatment
for rough or chapped skin*

Vi-lan is lanolin cream presented to the public in a most attractive pack and in a most convenient form. Customers are pleased with its effectiveness and continually repeat their orders, whilst our chemist friends gain the benefit of the generous profit margin.

Classified advertising in the *Sunday Express*, the *People* and the *Empire News* brings Vi-lan to the notice of almost all the households in the country. A constant display on your counter will ensure profitable business. Sample and bonus terms available on application.

THORNTON & ROSS
LIMITED
LINTHWAITE LABORATORIES
HUDDERSFIELD ENGLAND

★ RETAILS AT 1/6

TR. 198

VITAMIN D3

PURE CRYSTALLINE D3

o-Cresol- α -glycerol-ether
(Mephenesin)
Guaiacol- α -glycerol-ether

Manufacturers:
PEBOC
LIMITED

Sales Office:
629/630 TOWER BUILDING
LIVERPOOL 3 • ENGLAND

Laboratories:
NORTHOLT, MIDDLESEX

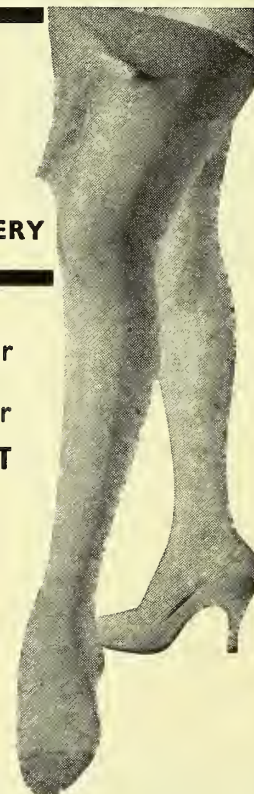
Yalcs
NYLON
ELASTIC HOSIERY

Superfine @ 63/- pair
SERVICE @ 53/3 pair
FULL TRADE DISCOUNT

**AVAILABLE
EX STOCK**

N.B.: SERVICE may be
supplied against N.H.S.
prescription as NYLON
ELASTIC YARN
(LIGHTWEIGHT) TWO-
WAY STRETCH.

Display material, leaflets, shade
cards available from
Sales Agents :—



GLENSIDE (London) LTD. 37 PERCY STREET LONDON W1.

BEMAX

Bonus Offer

Ties in with advertising
to meet peak consumer demand
in January - February - March

NOW—just at the time when winter ills reach their peak—dramatic advertising will constantly remind no less than 40,000,000 readers that *nothing else* builds up resistance like BEMAX! In the National Press, in the Provincial Press and in the Radio Times, compelling advertising will send customers to *you* asking for BEMAX. Don't have to turn business away (for BEMAX is unique; there's nothing else quite like it). Get your order in early and make sure of your BEMAX BONUS!

Here's how you profit from the BEMAX BONUS

AVAILABLE FEBRUARY 1st to FEBRUARY 12th

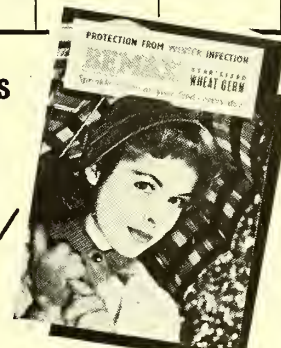
	PARCELS	STANDARD PRICE LIST	QUANTITY TERMS	BONUS TERMS	PROFIT
BX.1	6 dozen x 1/9 size	99/-	96/-	88/-	38/-
BX.2	3 dozen x 3/- size	85/6	81/9	75/-	33/-
BX.3	1½ dozen x 5/6 size	78/9	75/-	68/9	30/3
BX.4	2 dozen x 3/- size ½ dozen x 5/6 size	83/3	79/6	72/11	32/1
BX.5	1 dozen x 1/9 size 1½ dozen x 3/- size ½ dozen x 5/6 size	85/6	81/11	75/-	33/-

BEMAX WINDOW AND COUNTER DISPLAYS

must be shown for at least 14 days. There's display material included in your Bonus parcel, and plenty more available.

Don't Delay-Act Today!

SEND TO SALES DEPARTMENT,
VITAMINS LIMITED, UPPER MALL, LONDON, W.6



ILODERM

a unique self-sterile Ointment that compares with no other in the treatment of:—

**BURNS •
BEDSORES •
IMPETIGO •
NAPKIN RASH •
DERMATITIS •
CRACKED NIPPLES •**

ask your usual wholesale House for supplies

ILON LABORATORIES

LORNE STREET, HAMILTON, LANARKSHIRE

AMBYTHENE

(BRAND OF POLYTHENE)

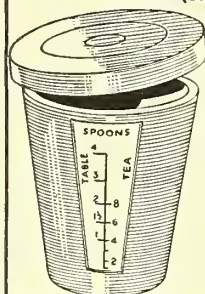
MEDICINE MEASURES

UNBREAKABLE—ACCURATE

with or without close fitting lids obtainable from usual distributors at 12/1 dozen with lids or 8/9 dozen without lids.

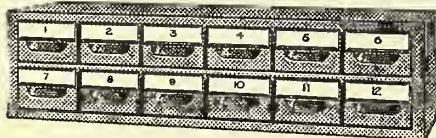
Wholesalers' supplies obtainable direct from

AMPLEX APPLIANCES (KENT) LTD.
19 DARTMOUTH ROAD, HAYES, BROMLEY, KENT
(RAvensbourne 5531)



12 DRAWER UNIT

12 Type 'A' Drawers. Available in any multiple of 6 drawers. 8" high by 36" wide by 11½" deep.

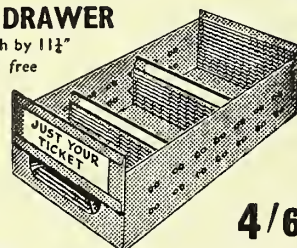


£4.15.0 DELIVERED FREE
In England, Scotland and Wales

TYPE 'A' DRAWER

5" wide by 3" high by 11½" long. With one free divider per drawer.

Extra dividers:
plain 6d. each.



4/6

N.C.BROWN LTD

SHELVING DIVISION, HEYWOOD, LANC. PHONE :- 69018 (6 lines)

For the past sixty years

BOX'S INDIGESTION PILLS

have earned a good name as a family Remedy and have built sound profit for the Chemist.

P.A.T.A. Retail Prices
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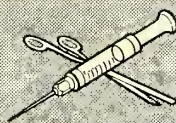


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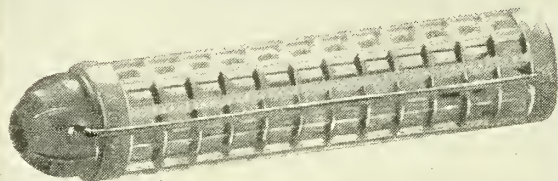
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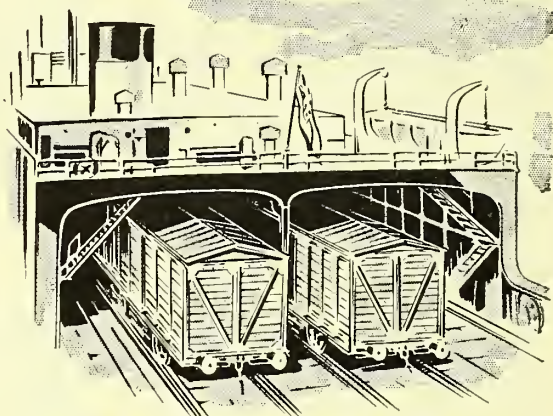
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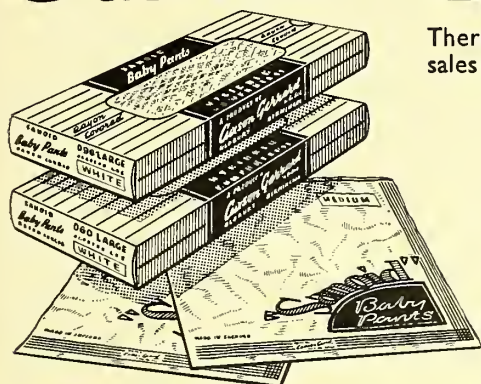
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KENT. A new exclusive shopping parade in growing residential district between Bromley and Chislehurst provides opening for Chemist with no local competition. Shop 20 ft. x 32 ft., double garage and store and excellent flat (3 rooms, kitchen and bath). 7 or 14-year lease at £650 ex. Sole agents, Colin Gray & Co., Surveyors, Chislehurst, Imperial 2233. C 2644

APPOINTMENTS

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(Category V),
WELLHOUSE LANE,
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Senior Pharmacist

Applications are invited for the above post in this modern and well-equipped pharmacy (Category V Hospital). Barnet is terminus of the Northern Line (London Transport). Whitley salary plus London Weighting. Applications stating age and experience together with the names of two referees to Hospital Secretary. C 502

LEYTONSTONE (No. 10)
HOSPITAL GROUP,
WHIPPS CROSS HOSPITAL,
LONDON, E.11
(Category V Hospital)
Pharmacist

Applications are invited for the above post. Applications for part-time Pharmacists will be considered. The hospital is ideally situated, being on the Central Underground Line within 20 minutes of Central London. Application forms from the Hospital Secretary to be returned as soon as possible. C 492

MANSFIELD HOSPITAL
MANAGEMENT COMMITTEE
Senior Pharmacist

required as soon as possible for the modern Group Pharmaceutical Department at the **KING'S MILL HOSPITAL,** **SUTTON-IN-ASHFIELD, NOTTS.** Salary in accordance with the Whitley Council scale. The hospital is situated on the outskirts of Mansfield in pleasant surroundings (14 miles from Nottingham). The department is of modern design and fully equipped, and may be seen on application to the Group Pharmaceutical Officer. Accommodation available for a single person. Apply to the Group Secretary, Mansfield H.M.C., "Oak Bank," Crew Hill Drive, Mansfield, Notts. C 5095

KING EDWARD VII HOSPITAL,
WINDSOR
Assistant-in-Dispensing

required. Applications to Secretary. C 5020

METROPOLITAN HOSPITAL,
KINGSLAND ROAD,
LONDON, E.8
Locum Pharmacist

required to work in a modern department. Apply to Hospital Secretary. C 445

NEW CROSS GENERAL
HOSPITAL,
AVONLEY ROAD, S.E.14
Pharmacist

required at the above hospital. Interesting work in connection with beds closely associated with Guy's Hospital. Salary and conditions in accordance with Whitley Council Agreement. Applications, together with names of two referees, to the Hospital Secretary at the above address within one week of advertisement. C 5090

QUEEN CHARLOTTE'S
MATERNITY HOSPITAL
Pharmacist

Applications are invited for the post of Pharmacist at the above hospital. Salary and conditions of service in accordance with the Whitley Council regulations. Enquiries to the Chief Pharmacist and applications giving details of age, qualifications and experience together with the names of two referees to the House Governor, 339 Goldhawk Road, London, W.6, within ten days. C 5091

READING AND DISTRICT
HOSPITAL MANAGEMENT
COMMITTEE
Pharmacist

required at the Royal Berkshire Hospital, Reading (Category V). Six pharmacists with full supporting staff. Frequent five-day weeks. Commencing salary, new entrants, up to £730 p.a. based on previous professional experience and National Service after qualifications. Applications to Group Pharmacist, Royal Berkshire Hospital. C 5071

ROYAL INFIRMARY,
EDINBURGH
Locum Pharmacist

wanted for the period May 1 to October 31, 1960. Apply by letter, with full details to the Personnel Officer. C 5085

QUEEN CHARLOTTE'S
MATERNITY HOSPITAL
Part-time Pharmacist

Applications are invited for the post of part-time Pharmacist (hours by arrangement) at the above hospital. Salary and conditions of service in accordance with the Whitley Council recommendations. Enquiries to the Chief Pharmacist and applications giving details of age, qualifications and experience together with the names of two referees to the House Governor, 339 Goldhawk Road, London, W.6, within ten days. C 5092

WEST MIDDLESEX HOSPITAL,
ISLEWORTH, MIDDLESEX
Assistant-in-Dispensing

required in Pharmaceutical Department for varied duties. Salary £395 per annum at age 22, rising to £510, plus London Weighting (additional payment of £20 per annum for suitable qualifications). Apply giving names of two referees to the Chief Pharmacist. C 480

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APPLICATIONS ARE INVITED from Pharmacists, men or women, including those newly qualified, for position as Manager or Manageress of modern pharmacy with excellent dispensing connection on borders of Kent and London. Salary and commission in excess of £1,100 per annum. Good supporting staff. Superannuation scheme. The position is permanent and there are opportunities for promotion. House available if required in pleasant locality within easy travelling distance. Apply stating age and experience to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 147 Powis Street, Woolwich, S.E.18. C 2612

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OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for the position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications giving age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

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PHOTOGRAPHIC SALES ASSISTANT required. Good chance for young man with some retail experience. Write "City Sale," 64 Cheapside, E.C.2. C 2657

SOUTH-WEST LONDON. Pharmacist required, male or female, for part-time morning duties. No Saturdays. Good help given. Suit elderly pharmacist. Box C 2625.

WANTED. Assistant (unqualified), with dispensing experience. Turner, Upper Richmond Road, S.W.14. PRO. 4137. C 2655

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PHARMACIST Locum required for any fortnight in July 1960. Accommodation or transport arranged. State salary. Light duties suitable for retired pharmacist. Apply: A. M. Clark, Ltd., Chemists, Penistone, nr. Sheffield. Phone: Penistone 3103. C 2629

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ABBOTT LABORATORIES, LTD., have vacancies for young pharmacists in their development section concerned with formulations of new products. Experience not essential but candidates must possess initiative and have aptitude for this type of work. Five-day week, pension scheme, etc. Apply the Secretary, Ref. H. L., Abbott Laboratories, Ltd., Bede Trading Estate, Jarrow-on-Tyne, co. Durham. C 2583

CHARGEHANDS required by old-established Drug Company situated East London, for manufacturing, filling and warehouse departments. Knowledge of and experience in the trade essential. Energetic and industrious men with initiative, organising ability and able to control labour, rewarded with early prospect of promotion to foreman. Wages £10-£12 per week according to experience, etc. Permanency. Apply in writing to Box C 2645.

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ORRIDGE & CO., 184 Strand, London, W.C.2, require stocktakers. Must have knowledge of trade but need not necessarily have done stock-taking although this is an advantage. Excellent wages and prospects. Write in first instance or telephone Temple Bar 9212. Ref. WMS. C 5084

VETERINARY REPRESENTATIVE required for North and South Scotland. Experience of calling on profession required. Good salary, commission and car supplied. Apply Box C 5073.

PHARMACIST, Walter Gregory & Co., Ltd. Applications are invited from pharmacists or graduates in pharmacy for a position which involves development work on sterile and other products for veterinary and pharmaceutical purposes including aerosols. This position offers scope for a man with wide interests, capable of putting original ideas into practice. Working conditions are excellent in a new factory and a pension and life assurance scheme is in operation. Please apply in writing to: The Secretary, Walter Gregory & Co., Ltd., Wellington, Somerset. C 5102

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SURGICAL sundries buyer, experienced all classes chemists' sundries, to manage and develop existing department having important turnover. Age 35-45. Salary according to experience. Pension scheme. Apply Staff Director, Ayrton Saunders Company, Hanover Street, Liverpool. C 5099

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An American Pharmaceutical company require a Production Manager for their large modern plant in Lisbon. Applicants should possess a qualification in Pharmacy or Chemistry, and have had wide experience in the manufacture of tablets, ampoules, and pharmaceutical preparations, including the operation of sterile filling processes and antibiotics handling. A knowledge of Spanish, Portuguese or French is highly desirable. Excellent conditions. Apply: Managing Director, Box C 5100.

Situations Vacant—Continued

NAIROBI, EAST AFRICA. Pharmacist, single, required by European chemists as dispenser. Salary £90 p.m., four-year contract, passages and local leave paid. Apply in writing, giving age, qualifications and experience and with copies of references, if available, to Davis & Soper, Ltd., 52 & 54 St. Mary Axe, London, E.C.3. C 5098

SCANDINAVIAN COMPANY require gentleman well experienced in the export marketing of pharmaceutical preparations to develop sales in Africa. Initial tour would be for investigation and appointment of agents, following which candidate would be required to settle in the most suitable area, i.e., Kenya, Rhodesia, etc. Excellent opportunity to enter this expanding market at ground-floor level. Write with details of experience, etc., to Box C 2643.

REQUIRED by old-established British house in East Africa, young, preferably single, pharmacist. Starting basic salary £2,000 per annum, plus commission, housing, paid leave for employee and passages for family (if married), provident fund, medical attention, etc. Full details to Box C 2646.

AGENTS WANTED

AGENT with connection in chemists, opticians, stores, etc., to offer sunglasses, magnifiers, and optical goods. Small connection hand over. Commission basis. T. Aston, Ltd., 6 Northampton Street, Birmingham, 18. C 2659

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Tenders are invited for the supply of Maternity Outfits for the year commencing April 1, 1960. Full particulars and forms of tender may be obtained from the County Medical Officer, County Offices, Aylesbury. Completed tenders must reach the undersigned not later than February 29, 1960.

R. E. MILLARD,
Clerk of the County Council.

County Hall,
AYLESBURY.

C 5094

MISCELLANEOUS**First-aid outfits**

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“No—there’s a big difference, Mr. Baxter . . .

. . . as you will remember, in protamine zinc insulin, the action of the insulin is modified by the presence of a foreign protein, protamine. In contrast, I.Z.S. contains no protein or peptide material other than the insulin itself. That is its great advantage over other insulins. You see, gentlemen, the action of I.Z.S. persists for the required period by appropriate adjustment of the particle size of the insulin zinc compound. It is because the effect of I.Z.S. is entirely independent of any modifying protein, that allergic reactions following its use are virtually unknown. Any other questions?”

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40 or 80 units per c.c.
I.Z.S. (Amorphous) A.B. Vials of 10 c.c.
40 or 80 units per c.c.
I.Z.S. (Crystalline) A.B. Vials of 10 c.c.
40 or 80 units per c.c.

Insulin
Zinc
Ssuspension **A.B.**



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